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OM nucleic - nucleic search, using sw model

Run on: July 15, 2003, 06:15:48 ; Search time 79 Seconds
(without alignments)
5822.976 Million cell updates/sec

Title: US-09-043-944-5
Perfect score: 1500
Sequence: 1 gtttaattaccgaatttga.....taaaaaaaaaaaaaaa 1500

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 75 summaries

Database : Issued Patents_NA: *
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq: *
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq: *
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq: *
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq: *
5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq: *
6: /cgn2_6/ptodata/1/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	631	42.1	4137	4	US-08-832-867-1
2	248.2	16.5	1488	2	US-08-875-972-3
3	248.2	16.5	1750	3	US-08-670-964-3
4	248.2	16.5	1762	3	US-08-670-964-1
5	248.2	16.5	2764	3	US-08-923-454A-9
6	248.2	16.5	2764	4	US-08-832-867-2
7	248.2	16.5	2765	3	US-08-888-077A-1
8	248.2	16.5	2765	4	US-08-706-344C-1
9	248.2	16.5	2765	4	US-08-706-344C-27
10	248.2	16.5	2791	2	US-08-967-101-133
11	248.2	16.5	2791	2	US-08-592-541-133
12	248.2	16.5	2791	3	US-09-124-698-133
13	248.2	16.5	2791	4	US-09-127-480-133
14	248.2	16.5	2791	4	US-09-124-523-133
15	248.2	16.5	2792	4	US-08-496-841C-133
16	246.6	16.4	1914	2	US-08-670-479-24
17	246.6	16.4	2765	4	US-08-706-344C-29
18	246.6	16.4	2765	4	US-08-706-344C-31
19	246.6	16.4	2791	2	US-08-967-101-1
20	246.6	16.4	2791	2	US-08-592-541-1
21	246.6	16.4	2791	3	US-09-124-698-1
22	246.6	16.4	2791	4	US-09-127-480-1
23	246.6	16.4	2791	4	US-08-496-841C-1
24	246.6	16.4	2791	4	US-09-124-523-1
25	246.6	16.4	3086	3	US-08-888-077A-3
26	246.6	16.4	3087	2	US-08-967-101-5
27	246.6	16.4	3087	2	US-08-592-541-5

28	246.6	16.4	3087	3	US-09-124-698-5
29	246.6	16.4	3087	4	US-09-127-480-5
30	246.6	16.4	3087	4	US-08-496-841C-5
31	246.6	16.4	3087	4	US-09-124-523-5
32	245	16.3	2765	4	US-08-706-344C-3
33	243.2	16.2	1962	2	US-08-967-101-135
34	243.2	16.2	1962	2	US-08-592-541-135
35	243.2	16.2	1962	3	US-09-124-698-135
36	243.2	16.2	1962	4	US-09-127-480-135
37	243.2	16.2	1962	4	US-09-124-523-135
38	243.2	16.2	1964	3	US-08-888-077A-16
39	243.2	16.2	1964	4	US-08-496-841C-135
40	233.6	15.6	1929	2	US-08-967-101-3
41	233.6	15.6	1929	3	US-08-592-541-3
42	233.6	15.6	1929	3	US-09-124-698-3
43	233.6	15.6	1929	4	US-09-127-480-3
44	233.6	15.6	1929	4	US-08-496-841C-3
45	233.6	15.6	1929	4	US-09-124-523-3
46	226.2	15.1	1895	2	US-08-967-101-165
47	226.2	15.1	1895	2	US-08-592-541-165
48	226.2	15.1	1895	3	US-08-888-077A-20
49	226.2	15.1	1895	3	US-09-124-698-165
50	226.2	15.1	1895	4	US-09-127-480-165
51	226.2	15.1	1895	4	US-09-124-523-165
52	225.8	15.1	2236	4	US-09-375-318-1
53	225.8	15.1	2276	2	US-08-875-972-28
54	224.2	14.9	2229	3	US-08-888-077A-18
55	224.2	14.9	2285	2	US-08-967-101-136
56	224.2	14.9	2285	2	US-08-592-541-136
57	224.2	14.9	2285	3	US-09-124-698-136
58	224.2	14.9	2285	4	US-09-127-480-136
59	224.2	14.9	2285	4	US-09-124-523-136
60	224.2	14.9	2296	4	US-08-496-841C-137
61	192.8	12.9	1417	2	US-08-875-972-1
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63	97.4	6.5	945	2	US-08-967-101-6
64	97.4	6.5	945	2	US-08-592-541-6
65	97.4	6.5	945	2	US-08-967-101-160
66	97.4	6.5	945	2	US-08-592-541-160
67	97.4	6.5	945	3	US-09-124-698-6
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72	97.4	6.5	945	4	US-08-496-841C-160
73	97.4	6.5	945	4	US-09-124-523-6
74	97.4	6.5	945	4	US-09-124-523-160
75	96.4	6.4	489	2	US-08-967-101-74

ALIGNMENTS

RESULT 1

US-08-832-867-1
; Sequence 1, Application US/08832867C
; Patent No. 6376239

GENERAL INFORMATION:

; APPLICANT: BAUMEISTER, Ralf
; TITLE OF INVENTION: DNA MOLECULES COMPRISING A PROMOTER CAPABLE OF
; TITLE OF INVENTION: CONFERRING EXPRESSION OF A HETEROLOGOUS DNA SEQUENCE IN
; TITLE OF INVENTION: ALL NEURAL CELLS AT ALL STAGES OF DEVELOPMENT IN C.
; TITLE OF INVENTION: ELEGANS AND USES THEREOF
; FILE REFERENCE: 674503-2004
; CURRENT APPLICATION NUMBER: US/08/832,867C
; CURRENT FILING DATE: 1997-04-04
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 4137
; TYPE: DNA
; ORGANISM: Caenorhabditis elegans
US-08-832-867-1


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QY 599 TCTACCTATTACATGCTCTGCATAATGGCTCTGGTCTTTTATCAAGTACCTACCAAGT 658
Db 832 CATATCTCATATTAGTAGTCCCTCATGGCCCTGGTGTATATCAAGTACCTCCCTGAAT 891
QY 659 GGACTGTGTGTTGCTGTTTGTATATCTGCGTTTGGGATCTGTTGCGGTGCTGCACAC 718
Db 892 GGACTGGTGGCTCATCTGGCTGTGATTTTCAGTATATGATTTAGTGGCTGTTTGTGTC 951
QY 719 CAAAAGGACCATTCAGATATTTGGTGAAGTCTGCAAGTCTGCAAGGAGAGAAACAGCCAAATTTTC 778
Db 952 CGAAGGTCCACTTCGTATGCTGTGGTGAACAGCTCAGGAGAGAAATGAACGCTTTTTC 1011
QY 779 CGGCGCTGATTTATTCCTGCTGGAGTCTATCTATCCTACGTTCTTGTACTGCAAGTCAAA 838
Db 1012 CAGCTCTCAITTAATCTCTCAACAT-----GGTGTGTTGGTGAATATGGCA 1058
QY 839 ACAGCAGACAGCCCGGTGAACCGAGCTGTCAGACTCAAAATCTTACAGCTTTTCTG 898
Db 1059 GAAGGAGA-----CCCGGAAGCTCAAGAGAGATATCCAAAATTCCAAGTATAATGAG 1113
QY 899 GAGAGGGAGTGTGTTATCTGAACGCAAAAGCGCCAAAGTCAACGAAATTCCTCAAA 958
Db 1114 AAAGCAGAAAGGGAGTC--ACAAGACACTGTTGCAGAGAAATGATGATGCGCGGTTCAG 1171
QY 959 AAGTGCAAATCGAATCGAATACAGCTTCAACGACACAAAACTCTGGAGTAAGGTGG 1018
Db 1172 TGAGGAATGGAAGCCAGAGGACAGCTATCTAGGCGCTCATGCTCTACACTGAGTC 1231
QY 1019 AACGGAGCTAGTCTGTCAGAGACCAACTGTACAAGACGCAATTTTACAGGACGAGAG 1078
Db 1232 ACAGAGCTGTGTCAGAGAACTTTCCAGCAGTAT-----CCTCGCTGGTGAAGACC 1281
QY 1079 AGAAGAGAGAGGTGTGAAGACTTGGTCTGGCGCACTTCATTTTCTACTCTGTTCTCTCG 1138
Db 1282 CAGAGGAAGGGAGTAAACTTGGATGGAGATTTCAITTTCTACAGTGTCTGTTG 1341
QY 1139 GCAAGGCTT-----CATGCTACTTTGACTGGAACACGACTATCGTTTGTATGTGGCCA 1192
Db 1342 GTAAGCCTCAGCAACAGCGAGTGGAGACTGGAACACCAACCATAGCTGTGTCGAGCCA 1401
QY 1193 TCTTATCGTCTCTGCTTCACTCTGTCTGCTGCTGCTGCTTCAACAGAGCACTCCCGG 1252
Db 1402 TATTAATGTTGTTGCTGCTTACATTTATCTCTGCTGCTTCAAGAAAGCATTTGCCAG 1461
QY 1253 CTCTG-CAATTTCCATTTTCTCGGACTCATTTTCTACTTTTGTACCCGCTGGATCATCA 1311
Db 1462 CTCTTCCATTCATCACCCTTTGGGCTTGTGTTTCTACITTCGCCAGATTAATCTGTGAC 1521
QY 1312 CCCATTTGTTACACAAGT 1330
Db 1522 AGCCTTTTATGGACCAATT 1540

```

RESULT 4

US-08-670-964-1

; Sequence 1, Application US/08670964

; Patent No. 6010874

; GENERAL INFORMATION:

; APPLICANT: Hardy, John A.

; TITLE OF INVENTION: EARLY ONSET ALZHEIMER'S DISEASE

; TITLE OF INVENTION: GENE AND GENE PRODUCTS

; NUMBER OF SEQUENCES: 4

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SmithKline Beecham Corporation

; STREET: 709 Swedeland Road - UM2220; P.O. Box 15

; CITY: Philadelphia

; STATE: PA

; COUNTRY: USA

; ZIP: 19406

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

--5

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; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/670,964
; FILING DATE: 26-JUN-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/001,142
; FILING DATE: 13-JUL-1995
; APPLICATION NUMBER: 60/001,501
; FILING DATE: 18-JUL-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: P50358
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ. ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1762 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-670-964-1

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Query Match 16.5%; Score 248.2; DB 3; Length 1762;

Best Local Similarity 54.6%; Pred. No. 1.7e-53;

Matches 666; Conservative 0; Mismatches 513; Indels 40; Gaps 7;

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QY 119 AACACGAATAATGTTGGAGAAGCGGAGCTGAAATACGAGGACATCTCAGTTTATTCATC 178
Db 367 AAGATGAGGAAGAAGATGAGGAGCTGACATTTGAATATGCGCAAGCATGTGATCATGC 426
QY 179 TATTTGTGCGGTGTCACATGCTATGCTGCTGTTTACGATGACACCATGATTCAGT 238
Db 427 TCTTTGTCCTGTGACTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 486
QY 239 TTTATAGTCAAAATGGAAGGCAATTTATCATCATCTCTTGTCCGGAACACAGACA 298
Db 487 TTTATACCCGGAAGGATG---GGCAGCTAATCTATACCCCATTCACAGAAGATACCGAGA 543
QY 299 GTATCGTTGAGAAGGAAATGATGCTCACTTGGAAATGCTCTGCTCATGTTGTGGGTG 358
Db 544 CTGTGGGCGAGAGAGCCCTGCACCTCAATTTCTGAATCTGCTCATCATGATCATGCTATTG 603
QY 359 TTCTGATGACAGTTCTGCTGATTGTTTCTATAAATACAAAGTTTATAAGCTTATTCATG 418
Db 604 TTGTCATGACTATCCTCCTGTTGTTCTGTATAAATACAGGTGCTATAAGTCTATCCATG 663
QY 419 GATGGCTTATGTACAGAGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 478
Db 664 CCTGGCTTATATATCATCTCTATTTGCTGCTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 723
QY 479 AAGTTCTGAAAAGTTTCGATGTTCTCCCGGCACTATTTGTTTGTGGTGGTGGTGGTGGT 538
Db 724 AAGTGTTTAAAACCTATAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 783
QY 539 ACTATGGAGTTCTCGGAATGATGTATACATTTGAAAGGTTCATTTGCTGCTGCTGCTGCTG 598
Db 784 ATTTTGGTCTGCTGGGAATGATTTCCATTCATCTGGAAGGTCCACTTCCACTCCAGCAGG 843
QY 599 TCTACCTTATTACAATGCTGCACTAAATGGCTCTGGTCTTTTATCAAGTACCTTACCAGAT 658
Db 844 CATATCTCATATTAGTATAGTGGCCCTCATGGCTGTTTATCAAGTACCTTCCCTGAAT 903
QY 659 GGACTGTGTGTTTCTGCTGTTTCTGCTGTTTCTGCTGTTTCTGCTGTTTCTGCTGTTTCTG 718
Db 904 GGACTGCGTGGCTCATCTTGGCTGTGATTTAGTATGATTTAGTGGCTGTTTGTGTC 963
QY 719 CAAAAGGACCAATTGAGATATTTTGGTGAAGTCTGACAGGAGAGAAACGAGCAATTTTCC 778

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Db	1099	CAGCTCTCATTTACTCTCTCACAAT-----GGTGTGGTTGGTGAATATATGCCA	1145
QY	839	ACACGACAGACCCCGTGAACCGCAGCTGTCAGACTCAAAATACCTTCTACAGCTTTTCTCGT	898
Db	1146	CAAGGAGA-----CCCGGAAGCTCAAAAGGAGAGTATCCAAAATTCCAAGTAATAATGCAG	1200
QY	899	GAGAGGCGCAGTTGTTCATCTGAACGCCAAACCGGCCAAAGTGAACGAATTCCTCAAAA	958
Db	1201	AAAGCACAGAAAGGGAGTCT--ACAGACACTGTTGCAGAGAATGATGCGCGGTTTCAG	1258
QY	959	AAGTCAAAATCGAATCGAATACTACAGCTTCAACGACACAAAACCTCGGAGTAAGGTTGG	1018
Db	1259	TGAGGAATGGGAAGCCACAGAGGCACATCATCTAGGGCCCTCATCGCTCTACACCTGAGTC	1318
QY	1019	AACGGGAGCTAGCTGTGTGAGAGACCAACTCTACAAGACGCCAAATTTTCAGGACGACGAAG	1078
Db	1319	ACGAGCTGCTGTCCAGGAACCTTTCCAGCAGTAT-----CCTCGCTGGTGAAGACC	1368
QY	1079	AGGAAGAGAGAGGTGTGAAACTTGGCTGGCGCACTTCATTTCTACTCTGTTCTCCTCG	1138
Db	1369	CAGAGGAAAGGGGANGTAAACTTGGATTTGGGAGATTTTCATTTCTACAGTGTCTCGTTG	1428
QY	1139	GCAAGGCTT-----CATCGTACTTTGACTTGAACACGACTATCGCTGTGTATGTGGCCA	1192
Db	1429	GTAAGCCTCAGCAACAGCCAGTGGAGACTTGAACACACCAATAGCCTGTTTCGTAGCCA	1488
QY	1193	TTCTTATCGGTCTCTGCTTCACCTCTTGTCTGCTCGCGTCTTTCAAACGACACTCCCGG	1252
Db	1489	TATTAAATTTGGTTTGTGCCTTACATAATTACTCTCTGCCAATTTTCAAGAAAGCATTGCCAG	1548
QY	1253	CTCTG-CAATTTTCCATTTTCTCGGGACTCATTTTTTACTTTTGTACCCCTGGATCATCA	1311
Db	1549	CTCTTCCAATCTCCATCACCCTTTGGGCTGTGTTTCTACITTTGCCACAGATATATCTGTAC	1608
QY	1312	CCCCATTGTTCACAAAGT	1330
Db	1609	AGCCTTTTATGGACCAATT	1627

RESULT 6

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RESOLUTION 1
US-08-832-867-2
; Sequence 2, Application US/08832867C
; Patent No. 6376239
; GENERAL INFORMATION:
; APPLICANT: BAUMEISTER, Ralf
; TITLE OF INVENTION: DNA MOLECULES COMPRISING A PROMOTER CAPABLE OF
; TITLE OF INVENTION: CONFERRING EXPRESSION OF A HETEROLOGOUS DNA SEQUENCE IN
; TITLE OF INVENTION: ALL NEURAL CELLS AT ALL STAGES OF DEVELOPMENT IN C.
; TITLE OF INVENTION: ELEGANS AND USES THEREOF
; FILE REFERENCE: 674503-2004
; CURRENT APPLICATION NUMBER: US/08/832,867C
; CURRENT FILING DATE: 1997-04-04
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 2764
; TYPE: DNA
; ORGANISM: Caenorhabditis elegans
US-08-832-867-2

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QY	239	TTTATAGTCAAAACAATGGAAAGGCATTTACTATCACATCCTTTTGTCCGGGAAACAGACA	298
Db	562	TTTTATCCCGGAAGATG---GGCAGCTAATCTATACCCCAATTCACAGAAGATACCCGAGA	618
QY	299	GTATCGTTGAGAAAGGGAATGTAGTGACACTTGGAAATGCTCTCGTCAATGCTTGCTGGTGGTGG	358
Db	619	CTGTGGGCCAGAGAGCCCTGCACCTCAATTCCTGAATGCTGCCATCATGATGATGTCATTG	678
QY	359	TTCTGATGACAGTCTCTGCTGATTTGTTTCTATAAATACAAAGTTTTTATAAGCTTATTCAATG	418
Db	679	TTGTGATGATCTCCTCCTGCTGCTTCTGTATAAATACAGGTGCTATAAGTCTATCCATG	738
QY	419	GATGGCTTATTGTTCAGCAGTTTTCTCTCTCTTTTCCCTATTCACTACAACTATGTGCAAG	478
Db	739	CTTGGCTTATTATATCATCTCTATTGTTGCTGTTCTTTTTCATTTCATTTCCTTTGGGGG	798
QY	479	AAGTCTGAAAGTTTCGATGTGTCTCCAGCGCACATTGGTTTTTTTGTTCGACTGGGTA	538
Db	799	AAGTGTGTTAAAGCCTATAACGTTGCTGTGGACTACATTACTGTTTGCACCTCTGATCTGGA	858
QY	539	ACTATGGAGTCTCGGAATCATGTGTATATACATTGGAAAGGTCCTATGGGCTGCAACAGT	598
Db	859	ATTTTGTGTGGGAATGATTCCCATCTCACTGGAAGGTCCACTTCGATCCAGCAGG	918
QY	599	TCTACCTTATTACAATGTCTGCACATAATGGCTCTGCTTTTATCAAGTACTACACAGAT	658
Db	919	CATATCTCATTTAGTAGCCCTCATGGCCCTGGTGTATCAAGTACTCCTCCTGAAT	978
QY	659	GGACTGTGGTTTGTGCTGTTTGTATTCTCGTGGATCTGGTTTGGGATCTGGTCCGCTGCACAC	718
Db	979	GGACTCGTGGCTCATCTTGGCTGTGATTTTCAGTATATGATTAGTGGCTGTTTGTGTC	1038
QY	719	CAAAAGGACCATTCAGATATTTGGTGGAACTGCACAGGAGAGAAAGGACCAATTTTCC	778
Db	1039	CGAAAGGTCACATTCGTATGCTGGTTGAAACAGCTCAGGAGAGAAATGAAACGCTTTTTC	1098
QY	779	CGCGCTGATTTATTCTCTGGAGTCATCTATCCCTACGTTCTTGTGTACTGCAGTTCAAA	838
Db	1099	CAGCTCATTTACTCCTCAACAT-----GGTGGTGGTGGTGAATATGGCA	1145
QY	839	ACACGACAGACCCCGTGAACCGACGCTGCTCAGACTCAATACTTCTACAGCTTTTCTCGT	898
Db	1146	GAAGGAGA-----CCGGGAAGCTCAAGGAGAGTATCCAAAAATTCCAAGTATAATGCCAG	1200
QY	899	GAGAGCGAGTTGTTTCATCTGAACCCCAACCGGCCAAAGTGAACGAATTTCTCTCAA	958
Db	1201	AAAGCACAGAAAGGGAGTC--ACAAGACACTGTTGCAGAGAAATGATGATGGCGGGTTCAG	1258
QY	959	AAGTCAAAATCGAATCGAATACTACAGCTTCAACGACACAAAACCTCTGGAGTAAGGTGG	1018
Db	1259	TGAGGAATGGGAAGCCAGAGGACAGTCATCTAGGGCCTCATCGCTCTACACCTGAGTC	1318
QY	1019	AACGGGAGCTAGCTGCTGAGAGACCACTGTATAAGACGCCAATTTTCACAGGCACGAAG	1078
Db	1319	ACGAGCTGCTGCTCCAGGAACTTTCCAGCAGTAT-----CCTCGCTGGTGAAGACC	1368
QY	1079	AGGAAGACAGAGGCTGTAACACTTGGCTGGCGGACCTTCATTTTCTACTCTGTTCTCCTCG	1138
Db	1369	CAGAGGAAGGGAGTAACACTTGGATTGGGAGATTTTCATTTTCTACAGTGTCTCTGGTTG	1428
QY	1139	GCAAGGCTT-----CATCGTACTTTGACTGGAACACGACTATCGCTCTTTATGTGGCCA	1192
Db	1429	GTAAGCCTCAGCAACACCCAGTGGAGACTGGAACCAACCAATAGCCTGTTTCGTAGCCA	1488
QY	1193	TTCTTATCGGTCCTGCTTCACTCTGTCTGCTCGCGCTCTTAAACAGCAGCATCCCGG	1252
Db	1489	TATTAAATGGTTGTGCTTACATTTATTAATCTCTGCTGCTTTCAGAGATTTCTGTTG	1548
QY	1253	CTCTC-CAATTTTCCATTTTCTCCGACACTATTTTACTTTTGTATCCGCTGGATCATCA	1311
Db	1549	CTCTCCAAATCTCATCACCCTTTGGGCTGTGTTTCTACTTTTGGCCACAGATTATCTGTAC	1608
QY	1312	CCCATTGTGTACACAAGT	1330

US-08-706-344C-1
 ; Sequence 1, Application US/08706344C
 ; Patent No. 6248555
 ; GENERAL INFORMATION:
 ; APPLICANT: TANZI, RUDOLPH
 ; APPLICANT: WASCO, WILMA
 ; TITLE OF INVENTION: Genetic Alterations Related To Familial
 ; TITLE OF INVENTION: Alzheimer's Disease
 ; NUMBER OF SEQUENCES: 32
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
 ; STREET: 1100 NEW YORK AVENUE, SUITE 600
 ; CITY: WASHINGTON
 ; STATE: DC
 ; COUNTRY: USA
 ; ZIP: 20005-3934
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/706,344C
 ; FILING DATE: 30-AUG-1996
 ; CLASSIFICATION: 536
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 60/003,054
 ; FILING DATE: 31-AUG-1995
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: KIM, JUDITH U.
 ; REGISTRATION NUMBER: 40,679
 ; REFERENCE/DOCKET NUMBER: 0609.4180001
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-371-2600
 ; TELEFAX: 202-371-2540
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2765 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 249..1649
 ; US-08-706-344C-1

Query Match 16.5%; Score 248.2; DB 4; Length 2765;
 Best Local Similarity 54.8%; Pred. No. 2e-53;
 Matches 666; Conservative 0; Mismatches 513; Indels 40; Gaps 7;

Qy	119	AAGACGAAATGTTGTGAAGAGCGAGCTGAATACGAGCATCTCAGTTATTCATC	178
Db	442	AAGATCAGGAGAGATGAGGAGCTGACATTTGAATATGCGCCAGCATGTGATCATGC	501
Qy	179	TATTTGCGGGTGCACATGATGAGCTCTGTTGTTTACGATGAACAGGATTCAGT	238
Db	502	TCTTTGCTGCTGTGACTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	561
Qy	239	TTTATAGTCAAAACATGAAGGCATTTACTACATCCTTTTTCGCGGGAACAGACA	298
Db	562	TTTATACCGGAGGATG---GGCAGCTAATCTATACCCCATTCACAGAGATACCGGA	618
Qy	299	GTATCGTTGAGAGGATGATGCTGCTGGAATGCTCTGCTGATGTTGCGGTGCG	358
Db	619	CTGTGGCCAGAGAGCCCTGCATCAATCTCAATGCTGCCATCATGATCATGTGATG	678
Qy	359	TTCTGATGACAGTCTGCTGATGTTTCTATAAATACAGTTTATAAGCTTATTCATG	418
Db	679	TTGTCTGACTATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	738
Qy	419	GATGGCTTATCTCAGCAGTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	478

Db	739	CCTGGCTTATTATATCATCTCTATTGTTGCTGTTCTTTTTTTCATTTCATTCTGCGGG	798
Qy	479	AAGTCTGAAAGTTTCGATGTTCTCCAGCGACATATTGTTGTTTGGAGTGGGA	538
Db	799	AAGTGTTTAAACCTATAACGTTGCTGTGGACTACATTTACTTGTGCACTCTGATCTGGA	858
Qy	539	ACTATGAGTCTTCGGAATGATGTATACATTTGGAAGCTCCATTCGCTGCTCAACAGT	598
Db	859	ATTTTGGTGGTGGGAATGATTTCCATTTCACGGAAGGTCACATTCGATCCAGCAGG	918
Qy	599	TCACCTTATTACAATGTCGACATATGCTCTGCTGCTGCTTTTATCAAGTACCTACCAAT	658
Db	919	CATATCTCATTTAGTTCGCTCATGCTGCTGCTGCTGCTGCTTATCAAGTACCTCCCTGAAT	978
Qy	659	GGACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	718
Db	979	GGACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	1038
Qy	719	CAAAAGGACCATTTGAGATATTTGCTGGAATCTGCACAGGAGAGAAAGGACCAATTTTCC	778
Db	1039	CGAAGGTCACCTTCGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	1098
Qy	779	CGCGCTGATTTTATTCGCTGAGTCTATCTATCCCTACGTTCTGTTTACTGCAATTTTTC	838
Db	1099	CAGCTCTCATTTTACTCTCAACAAT-----GGTGTGTTGGTGAATATGGCA	1145
Qy	839	ACAGGACAGACCCCGTGAACGAGCTGCTGACACTCAATATCTTTACAGCTTTTCTCTG	898
Db	1146	GAAGGAGA-----CCCGGAAGCTCAAGGAGAGATATCCAAAAATTTCAAGCATAATGCAG	1200
Qy	899	GAGAGGCGAGTTCTTCATCTGAAACGCAAAACGCGCAAAAGTGAAACGAATTTCCCAAA	958
Db	1201	AAAGCAGAGAAAGGAGTC--ACAAGACATGTTGCAGAGATGATGATGGCGGTTTCAG	1258
Qy	959	AAGTGCAATTCGAATCGAATCTACAGCTTTCAACGACACAAAACTCTGGAGTAAGGTTGG	1018
Db	1259	TGAGGAATGGGAAGCCAGAGGACAGTCTATAGGCGCTCATCGCTCTACACCTGAGTC	1318
Qy	1019	AACGGAGCTAGTCTGTGAGAGACCAACTGTACAGACGCGCAATTTTACAGGACGACAG	1078
Db	1319	ACGAGCTGCTGCTCAGGAACTTTCCAGCAGTAT-----CCTCGTGTGTAAGACC	1368
Qy	1079	AGGAAGAGAGAGGTGTGAACCTGCTGCGGACCTTCTTCTACTCTGTTCTCTCTG	1138
Db	1369	CAGAGGAAAGGAGTAAACCTGGATTTGGAGATTTCTTCTACAGTGTCTGCTGTTG	1428
Qy	1139	GCAAGCTT-----CATCGTACTTTGACTGGAAACAGCATATCGTGTGTTATGTCGCA	1192
Db	1429	GTAAAGCCTCAGCAACAGCCAGTGGAGACTGGAAACACACACCATAGCTTGTTCGTAGCCA	1488
Qy	1193	TTCCTATCGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	1252
Db	1489	TATTAATGTTGTTGCTGCTTACATTTACTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	1548
Qy*	1253	CTCTG-CAATTTCCATTTTCTCGGACTCATTTTTTACTTTTTTGTACCCCTGGATCATCA	1311
Db	1549	CTCTTCCATCTCCATCACCCTTTGGCTTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT	1608
Qy	1312	CCCCATTTGTACACAAGT 1330	
Db	1609	AGCCTTTTATGACCAAT 1627	

RESULT 9
 US-08-706-344C-27
 ; Sequence 27, Application US/08706344C
 ; Patent No. 6248555
 ; GENERAL INFORMATION:
 ; APPLICANT: TANZI, RUDOLPH
 ; APPLICANT: WASCO, WILMA
 ; TITLE OF INVENTION: Genetic Alterations Related To Familial
 ; TITLE OF INVENTION: Alzheimer's Disease
 ; NUMBER OF SEQUENCES: 32

CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
STREET: 1100 NEW YORK AVENUE, SUITE 600
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30 (BPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/706,344C
FILING DATE: 30-AUG-1996
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/003,054
FILING DATE: 31-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: KIM, JUDITH U.
REGISTRATION NUMBER: 40,679
REFERENCE/DOCKET NUMBER: 0609.4180001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 2765 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 249..1649
US-08-706-344C-27

Query Match 16.5%; Score 248.2; DB 4; Length 2765;
Best Local Similarity 54.6%; Pred. No. 2e-53;
Matches 666; Conservative 0; Mismatches 513; Indels 40; Gaps 7;

QY	119	AAGACGAAATGTTGGGAAGCGGAGCTGAATACGAGCATCTACGTTATTCATC	178
DB	442	AAGATGAGGAAGATGAGGAGCTGACATTTGAATATGCGCCAGCATGATCATCG	501
QY	179	TATTTGTGCGGTGATCATGATGCTGCTGTTTATACGATGAACAGGATTCAGT	238
DB	502	TCTTTGTCCCTGATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	561
QY	239	TTTATAGTCAAAACAAATGAAGGCAATTTACTATACATCTCTTTTGTCCGGGAAACAGACA	298
DB	562	TTTATACCGGAGGATG---GGCAGCTAATCTATACCCCATTCACAGAAGATACCGAGA	618
QY	299	GTATCGTTGAGAGGATGATGTCACATTTGGAATGCTCTCTCATGTTGTCGCGTGGTCG	358
DB	619	CTGTGGCCAGAGACGCCCTGCACTCAATCTGAATGCTGCTGCTGCTGCTGCTGCTG	678
QY	359	TTCTGATGACAGTTCTGCTGATGTTTCTAFAAATAACAAGTTTATAGCTTTATTCATG	418
DB	679	TTGTCATGACTATCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	738
QY	419	GATGCTTATGTCAGCAGTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	478
DB	739	CTGCTTATATATCATCTCTATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	798
QY	479	AAGTTCTGAAAGTTTCGATGCTGCTCCAGGCACTATTTGTTTGTGACTGGGTA	538
DB	799	AAGTTTAAACCTATACGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	858
QY	539	ACTATGGAGTTCTCGGAATGATGTATACATTTGGAAGGTCCTGCTGCTGCTGCTG	598
DB	859	ATTTTGTGCTGCTGGAATGATTTCCATTCATCTGCTGGAAGGTCCTGCTGCTGCTG	918

QY	599	TCTACCTATTACAATGCTGCACTAATGGCTCTGGTCTTTTATCAAGTACTACCAAGAT	658
DB	919	CATATCTCATATGATAGTGGCTCATGGCCCTGGTGTATATCAAGTACTACCTCCTCAAT	978
QY	659	GGACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	718
DB	979	GGACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1038
QY	719	CAAAAGGACCAATTTGATGATATTTGCTGGAACCTGACAGAGAGAGAGAGAGAGAGAG	778
DB	1039	CGAAGGTCACCTTCGATGATGCTGCTGGAACCTGACAGAGAGAGAGAGAGAGAGAG	1098
QY	779	CGCGCTGATTTATTTCTGCTGAGTCTATCTATCCTCTGCTGCTGCTGCTGCTGCTG	838
DB	1099	CAGCTCTCATTTACTCTCTCAACAAT-----GGTGGTGGTGGTGGTGGTGGTGGTGG	1145
QY	839	ACAGCAGACAGCCCGGTGAACGAGCTGCTGACACTCAAAATCTTTACAGCTTTTCTG	898
DB	1146	GAAGGAGA-----CCCGGAAGCTCAAGAGAGAGTATCCAAAAATTTCCAAGCATAAT	1200
QY	899	GAGAGGCGAGTTGTTCTATCTGAAAGCGCCAAAGCGCCAAAGTGAACGAATTCCTCAA	958
DB	1201	AAAGCAGACAGAAAGGAGTC--ACAAGACACTGTTGAGAGATGATGATGGCGGTTTCAG	1258
QY	959	AAGTGCATAATCGAATCGAATCTACAGCTTTCAACGACACACAAAACTCTGGAGTAAGG	1018
DB	1259	TGAGGAATGGGAAGCCAGAGGAGCAGTCTATCTAGGCGCTCATCGCTCTACACCTGAG	1318
QY	1019	AACGGGAGCTAGCTGCTGAGAGACCAACTGTACAGAGCGCAATTTTACAGGACAGAG	1078
DB	1319	ACGAGCTGCTGCCAGAACTTTCCAGCAGTAT-----CCTCGCTGGTGAAGACC	1368
QY	1079	AGGAAGAGAGAGGTGTGAACCTTTGCTGGCGCACTTCAATTTCTACTCTGTTCTCCTCG	1138
DB	1369	CAGAGAAAGGAGGAGTAAACCTTTGGATTTGGAGATTTCAATTTCTACAGTGTCTG	1428
QY	1139	GCAAGGCTT-----CATCGTACTTTGACTGGAACACGACTATCGTGTGTTATGTGCGCA	1192
DB	1429	GTAAAGCCCTCAGCAACAGCCAGTGGAGACTGGAACACACACCATAGCTGTTTCTGTA	1488
QY	1193	TTCATTACGCTCTGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1252
DB	1489	TATTAATGTTGTTGCTGCTTACATTTACTCTCTGCTGCTGCTGCTGCTGCTGCTGCTG	1548
QY	1253	CTCTG-CAATTTCCATTTTCTCGGACTCATTTTCTACTTTTCTACCCGCTGATCATCA	1311
DB	1549	CTCTTCCAATCTCCATCACCCTTTGGCTTGGCTTGGCTTGGCTTGGCTTGGCTTGG	1608
QY	1312	CCCCATTTGTTACACAAGT 1330	
DB	1609	AGCCTTTTATGACCAATT 1627	

RESULT 10
US-08-967-101-133
; Sequence 133, Application us/08967101
; Patent No. 5840540
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMMENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 183
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: High Street Tower - 125 High Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110
; COMPUTER READABLE FORM:

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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/967,101
; FILING DATE: 10-NOV-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/592,541
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pitcher, Edmund R.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 133:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2791 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-967-101-133

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Query Match	16.5%;	Score 248.2;	DB 2;	Length 2791;
Best Local Similarity	54.6%;	Prod. No. 2e-53;		
Matches 666;	Conservative	0;	Mismatches 513;	Indels 40; Gaps 7;
QY	119	AAGACGAAATGTTGTGGAAGACGGAGCTGAATAGGAGCATCTCACGTTATTTCATC	178	
DB	442	AAGATGAGGAGAAGATGAGGAGCTGACATTGGAATATGGCGCAACATGTGATCATGC	501	
QY	179	TATTGTGCGGTCGTCACCTATGCATGGCTCTGTGTTTACGATGAACACGATTACGT	238	
DB	502	TCTTTGTCCCTGTGACTCTCTGCATGTGGTGGTGGCTACCATTAAGTCACTCAGCT	561	
QY	239	TTTATAGTCAAAACAATGAAGGACATTTACTATACATCTCTTTGTCCGGGAACACACA	298	
DB	562	TTTATACCCGGAAGGATG--GGCAGCTATCTATACCCCATTCACAGAAGATACCCAGA	618	
QY	299	GTATCGTTGAGAAGGATGATGTCACCTTGGAAATGCTCTCGTCATGTTGTGGGTGCTCG	358	
DB	619	CTGTGGCCACAGAGAGCCCTGCACCTCAATCTGAATGCTGCCATCATGATCAGTGTCA	678	
QY	359	TTCTGATGACAGTTCTGCTGATGTTTCTATATAACAAAGTTTATAAGCTTTATTCATG	418	
DB	679	TTGTCATGACTATCCCTCCTGGTGGTCTGTATATAACAGGTGCTATAAGTTCATCCATG	738	
QY	419	GATGGCTTATGTACAGAGTTTCTCTCTTTCTTATTCCTATTCACATAATCTATGTGCAAG	478	
DB	739	CCGTGGCTTATTATATCATCTCTATGTTGGTGTCTCTTTTTCATTCATTTACTTGGGG	798	
QY	479	AAGTCTCGAAAGTTCGATGTCCTCCAGCCACATATTTGGTTTGTGTGGACTGGGTA	538	
DB	799	AAGTGTTAANACCTATAGCTTGGCTGTGGAGTACATTACTGTGCACCTCTGATCTGGA	858	
QY	539	ACTATGGAGTTCGGAATGATGTATACATTTGAAAGTCCATTCGCTCTGCCAACAGT	598	
DB	859	ATTTTGGTGTGGGAATGATTTCCATTCACCTGGAAGGTCCACTTCGACTCCACGAGG	918	
QY	599	TCCTACCTTATTACAAATGCTGCACTAATGGCTCTGGCTTTTATCAAGTACCTACCAAG	658	
DB	919	CATATCTCATATGATGATAGTGGCCCTCATGCCCTGGTGTTTATCAAGTACCTCCCTGA	978	
QY	659	GGACTGTGGTTTGTGCTGTTGTATTCTCGGTTTGGGATCTGGTTGCGTCTCACAC	718	
DB	979	GGACTCGGTGCTCACTTTGGCTGTGATTTCAGTATATGATTTAGTGGCTGTTTGTGTC	1038	
QY	719	CAAAAGACCATTGAGATATTGGTGGAACTGCACAGGAGAGAAACAGACCAATTTTCC	778	
DB	1039	CGAAAGGCTCCACTTCGATGCTGGTTTGAACAGCTCAGGAGAGAATGAAGCGCTTTTC	1098	

Qy	779	CGGGCGTGATTTATTCTCTGGAGTCAATCATCCCTACGTTCTTGTTTACTGCGAGTTGAAA	838
Db	1099	CAGCTCTCAATTTACTCTCTCAACAAT-----GGTGTGGTTGGTAATATGGCA	1145
Qy	839	ACAGTCAGACACCCCGTGAACCGAGCGTGCAGACTCAAAATCTCTACAGCTTTTCTCTG	898
Db	1146	GAGGGAGA-----CCCGGAAGCTCAAGGAGAGATATCCAAAAATCCAACTAATATGCAG	1200
Qy	899	GAGAGGCGAGTTGTCTCATCTCAACGCCAAACGGCCAAAAGTGAACAGAAATTCCTCAAA	958
Db	1201	AAAGCAGAGAAAGGGAGTCT--ACAAGACACTGTTGCAGAGAAATGATGATGCCGGTTCAG	1258
Qy	959	AAGTGCAAATCGAATCGAATPACTACAGCTTCAACGACACAAAACTCTGGAGTAAGGTGG	1018
Db	1259	TGAGGAATGGGAAGCCAGAGGACAGTCACTAGGGCCCTCATCGCTCTACACCTCAGTC	1318
Qy	1019	AACGGGAGCTAGTGTGTGAGAGACCAACTGTACAAAGCGCCAAATTTTCACAGCAGCAAG	1078
Db	1319	ACGAGCTGCTGTCCAGGAAGCTTTCCAGCAGTAT-----CCTCGCTGGTGAAGACC	1368
Qy	1079	AGGAAGACAGAGGTGTGAACATTTGGTCTGGCGACTTTCATTTTCTACTCTGTTTCTCTCG	1138
Db	1369	CAGAGAAAGGGAGTAACAACTTGGATTGGGAGATTCATTTTCTACAGTGTCTCGTTG	1428
Qy	1139	GCAAGGCTT-----CATCGTACTTTGACTTGGAAACAGCACTATCGCTGTGTATGTGGCCA	1192
Db	1429	GTAAGGCTCAGCAACAGACGCCAGTGGAGACTTGGAAACACAACCATAGCTGTTCGTAGCCA	1488
Qy	1193	TTCTTATCGGTCTCTGCTTCACHTCTTGTCCTGCTCGCGCTCTTCAACAGCACTCCCGG	1252
Db	1489	TATTAATGGTTGTGCCTTACATTAATCTCCTTGCCAAATTTTCAAGAAAGCATTTGCCAG	1548
Qy	1253	CTCTG-CAATTTCCATTTTCTCGGAGTCAATTTTTTACTTTTGTACCCCTGGATCATCA	1311
Db	1549	CTCTTCCATCTCCATCACCCTTGGGCTGTGTTTCTACTTTGCCACAGATTAFTCTGTATC	1608
Qy	1312	CCCCATTTGTACACAAGT	1330
Db	1609	AGCCTTTTATGGACCAATT	1627

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RESULT 11
US-08-592-541-133
; Sequence 133, Application US/08592541
; Patent No. 5986054
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMMENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 183
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: High Street Tower - 125 High Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,541
; FILING DATE:
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Pitcher, Edmund R.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100

```


Db 799 AAGTGTAAACCTATAAGCTTGTCTGTGGACTACATTAAGTGTGGCTGCTGATCTGGA 858
Qy 539 ACTATGGAGTCTCGGAATGATGTATACATTTGAAAGTCCATTCGCTGCAACAGT 598
Db 859 ATTTTGTGTGGGATGATTTCAATTCAGTGAAGGTCCTGACTTCGACTCCAGCAGG 918
Qy 599 TCTACCTTTTACAAATGCTGCACATAAGTCTGTGCTTTTATCAAGTACCTACCAAGT 658
Db 919 CATATCTCATATGATAGTAGCCCTCATGCGCTGTGTTTATCAAGTACCTCCCTGAAT 978
Qy 659 GGACTGTGTGTGCTGTTGTTTATCTCGGTTTGGGATCTGTTGCGGTGCTGCACAC 718
Db 979 GGACTGTGTGCTGTTGTTTATCTCGGTTTGGGATCTGTTGCGGTGCTGCACAC 1038
Qy 719 CAAAGGACCATTTGAGATATTTGTTGAAAGTGCACAGGAGAGAAAGGACCAATTTTC 778
Db 1039 CGAAGGTCCATTCGTATGTTGAAAGTGCACAGGAGAGAAATGAACGCTTTTC 1098
Qy 779 CGGGCTGATTTATGCTGTGGAGTCACTATCCCTACGTTCTGTTTACTGCAAGTGA 838
Db 1099 CAGCTCTCATTTACTCTCAACAAT-----GCTGTGTTGTTGATATGGCA 1145
Qy 839 ACAGGACAGACCCCGTGAACGAGTGCAGACTCAATATCTTACAGCTTTTCCTG 898
Db 1146 GAGGAGA-----CCGGAAGCTCAAGGAGAGTATCCAAATTCAGTATATGCGAG 1200
Qy 899 GAGAGCGAGTGTGTCATCTGAAAGCGCAAGGCAAGTGAAGCAATTCCTCAA 958
Db 1201 AAAGCAGAGAAAGGAGTCT--ACAAGACACTGTTGCAGAGATGATGATGCGGTTGAG 1258
Qy 959 AAGTGCNAATCGAATCGAATACAGTTCACAGCAGCAAAAGTTCAGAGGAGTGG 1018
Db 1259 TGAGGAATGGGAAGCGCAGAGGAGACAGTATCTAGGCGCTCATCGCTTACACCTGAGTC 1318
Qy 1019 AACGGGAGTGTGCTGTGAGAGACCACTGTACAGAGCCCAATTTTACAGCAGCAAG 1078
Db 1319 ACAGCTGTGTCAGAGACTTCCAGCAGTAT-----CCTCGTGTGTTGAAGACC 1368
Qy 1079 AGAAGAGAGAGTGTGAACACTTGTGTGGCGACTTCATTTTCTACTCTGTCTCCTCG 1138
Db 1369 CAGAGGAAGGAGTGAAGTGGATTTGAGGATTTGAGGATTTTCTACAGTGTCTGTTG 1428
Qy 1139 GCAAGCTT-----CATGCTACTTGTGACTGGAACAGCACTATCGTGTGTTGTTG 1192
Db 1429 GTAAAGCTCAGCAAGCGAGTGGAGACTGGAACACACACACACACACACACACAC 1488
Qy 1193 TTCTTATCGCT 1252
Db 1489 TATTAATGTTGTGCTTACATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1548
Qy 1253 CTCTG-CAATTTCCATTTTCTCGGACTCATTTTCTCTCTCTCTCTCTCTCTCTCTCT 1311
Db 1549 CTCTTCCAATCTCCATCACTTTGGCTTGTGTTTCTCTCTCTCTCTCTCTCTCTCTCT 1608
Qy 1312 CCCCATTCTTACACAAGT 1330
Db 1609 AGCCTTTATGAGCAAT 1627

RESULT 15

US-08-496-841C-133

Sequence 133, Application US/08496841C

Patent No. 6210919

GENERAL INFORMATION:

APPLICANT: ST. GEORGE-HYSLOP, PETER H

FRASER, PAUL E

ROMMENS, JOHANNA M

TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED

TO ALZHEIMER'S DISEASE

NUMBER OF SEQUENCES: 175

CORRESPONDENCE ADDRESS:

ADDRESSEE: Darby & Darby, PC

STREET: 805 Third Avenue

CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/496,841C
FILING DATE: 28-Jun-1995
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Paul F. Fehlner, Ph.D.
REGISTRATION NUMBER: 35,135
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 527-7700
TELEFAX: (212) 753-6237
INFORMATION FOR SEQ ID NO: 133:
SEQUENCE CHARACTERISTICS:
LENGTH: 2792 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 133:
US-08-496-841C-133

Query Match 16.5%; Score 248.2; DB 4; Length 2792;

Best Local Similarity 54.6%; Pred. No. 2e-53;

Matches 666; Conservative 0; Mismatches 513; Indels 40; Gaps 7;

Qy 119 AGACGAAATGTTGTGGAAGAGCGAGCTGAATACGGAGCATCTCAGTTTATTCATC 178
Db 442 AGATGAGGAAGAGATGAGGAGCTGACATTTGAATATGCGCAAGCATGTATCATGC 501
Qy 179 TATTTCTGCGGTGTCACATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 238
Db 502 TCTTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 561
Qy 239 TTTATAGTCAAAACAAATGGAAGGCAATTTACTATACATCCTTTTCCGGGAAACAGCA 298
Db 562 TTTATACCGGAAGGATG---GGCAGCTAATCTATACCCCATTCACAGAGATACCGAGA 618
Qy 299 GTATCGTTCAGAGGAGTGTGCTGCTGGAATGCTCTGCTGCTGCTGCTGCTGCTGCTG 358
Db 619 CTGTGGCCAGAGAGCCCTGCACCTAAATTTCTGAAATGCTGCCATCATGATCATGCTG 678
Qy 359 TTCTGATGACAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 418
Db 679 TTGTCATGACTATCT 738
Qy 419 GATGCTTATGCTGACGAGTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 478
Db 739 CCTGCTTATATATCATCT 798
Qy 479 AAGTTCTGAAAGTTTCGATGCTGCCAGCGCAGTATGTTGTTTGTGTTGTTGTTGTTGTTG 538
Db 799 AAGTGTGTTAAACCTATAACAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 858
Qy 539 ACTATGGAGTCTCGGAATGATGTATACATTTGAAAGGTCATTCGCTGCTGCTGCTGCTGCT 598
Db 859 ATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 918
Qy 599 TCTACCTTATTAACAATGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 658
Db 919 CATATCTCATATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 978
Qy 659 GGACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 718
Db 979 GGACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1038

Db 1058 CAGCTCTCAATTACTCTCAACAT-----GGTGTGGTGGTGAATATGCA 1104
Qy 839 ACACGACAGACCCCGGTGAACGAGCGTGTGACACTCAATCTCTACAGCTTTCTG 898
Db 1105 GAAGGAGA-----CCCGGAGCTCAAGAGAGATCCAAAATTCOAAGTATAATG 1159
Qy 899 GAGAGGCGAGTTGTCTATCTGAAACGCGCAAAAGCGCAAAAGTGAACGAATTCCTCAA 958
Db 1160 AAAGCACAGAAAGGAGTC--ACAAGACACTGTTGACAGAGATGATGCGGGTTCAG 1217
Qy 959 AAGTGCATAATCGAATCACTACAGCTTCAACGACACAAAACCTCTGAGTAAAGGTGG 1018
Db 1218 TGAGGAATGGAAGCCGACAGAGGACAGTCACTAGGCGCTCATCGCTCTACACTGAGTC 1277
Qy 1019 AACGGGAGCTAGTGTGTGAGACACCACTGTACAAAGACGCAATTTTCACAGGACCAAG 1078
Db 1278 ACAGCTGCTGTTCAGGAATTTCCAGCAGT-----ATCCTCGCTGGTGAAGACC 1327
Qy 1079 AGAAGAGAGAGGTGTGAACCTTGGTCTGGCGCACTTCAATTTCTACTCTGTCTCTCG 1138
Db 1328 CAGAGAAAGGGAGTAAACTTGGATTGGAGATTTCAATTTCTACAGTGTCTGGTTG 1387
Qy 1139 GCAAGGCTT-----CATCTACTTTGACTGGACAGCATATCGCTTGTATGTGGCCA 1192
Db 1388 GTAAGGCTCAGCAACAGCGAGTGGAGACTGGAACACACATAGCTGTTCGTAGCCA 1447
Qy 1193 TTCTATPCTGCTCTGCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1252
Db 1448 TATTAATGTTGTGCTTACATTTACTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1507
Qy 1253 CTCTG-CAATTTCCATTTCTCGGACTCAATTTTACTTTTGTACCCGCTGGATCATCA 1311
Db 1508 CTCTCCCAATCTCCATCACCTTTGGGCTGTTTCTACTTTGGCCACAGATTATCTGTAC 1567
Qy 1312 CCCATTTGTTACCAAGT 1330
Db 1568 AGCCTTTTATGGACCAAT 1586

RESULT 17

US-08-706-344C-29
Sequence 29, Application US/08706344C
Patent No. 6248555
GENERAL INFORMATION:
APPLICANT: TANZI, RUDOLPH
APPLICANT: WASCO, WILMA
TITLE OF INVENTION: Genetic Alterations Related To Familial
TITLE OF INVENTION: Alzheimer's Disease
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
STREET: 1100 NEW YORK AVENUE, SUITE 600
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/706,344C
FILING DATE: 30-AUG-1996
CLASSIFICATION: 536
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 60/003,054
FILING DATE: 31-AUG-1995
ATTORNEY/AGENT INFORMATION:
NAME: KIM, JUDITH U.
REGISTRATION NUMBER: 40,679
REFERENCE/DOCKET NUMBER: 0609,4180001

TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 2765 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 249..1649
US-08-706-344C-29
Query Match 16.4%; Score 246.6; DB 4; Length 2765;
Best Local Similarity 54.6%; Pred. No. 5.1e-53;
Matches 665; Conservative 0; Mismatches 514; Indels 40; Gaps 7;
Qy 119 AACGCAAAATGTTGTGAAGAAGCGAGCTGAAATACGAGCATCTCAGCTTATTCATC 178
Db 442 AGATGAGGAAGAAGATGAGGAGCTGACATTGAAATATGCGCCAAAGCATGTGATCAGC 501
Qy 179 TATTGTGCGCGTGTCTACTATGCTGCTCTGTTGTTTGTAGTGAACACGATTACGT 238
Db 502 TCTTTGCTGCTGACTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 561
Qy 239 TTTATAGTCAAAACATGGAAGCATTTACTATCATCATCTTTGTCGGGAAACAGACA 298
Db 562 TTTATACCGGAAGAGATG---GGCAGCTAATCTATATACCCCATTCACAGAAAGATACCGAGA 618
Qy 299 GTATCTGTGAGAAGGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 358
Db 619 CTGTGGCCAGAGAGCCCTGCACTCAATCTGTAATGCTGCTGCTGCTGCTGCTGCTGCTG 678
Qy 359 TTTGATGACAGTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 418
Db 679 TTTGATGACTATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 738
Qy 419 GATGGCTTATGTCAGCAGTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 478
Db 739 CTTGGCTTATATATCATCTCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 798
Qy 479 AAGTCTGAAAAGTTTCGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 538
Db 799 AGTGTGTTAAACCTATAACGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 858
Qy 539 ACTATGGAGTCTTCGGAATGATGTATATACATTTGGAAGGTCATTTGCGCTGCTGCAAC 598
Db 859 ATTTTGGTGTGGTGGGAATGATTTCCATTCCTGGAAGAGTCCACTTCACCTCCAGCAG 918
Qy 599 TCTACCTTATTAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 658
Db 919 CATATCTCATTTATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 978
Qy 659 GGACTGTGTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 718
Db 979 GGACTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1038
Qy 719 CAAAAGGACCAATTTGATATATTTGGTGAACCTGACAGGAGAGAAACAGGCAATTTTCC 778
Db 1039 TGAAAGGTCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1098
Qy 779 CGGCGCTGATTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 838
Db 1099 CAGCTCTCATTTTACTCTCAACAAT-----GGTGTGGTGGTGAATATGCA 1145
Qy 839 ACACGACAGACCCCGTGAACCGAGCTGCTGACAGCTCAAAATCTCTACAGCTTTCTCTG 898
Db 1146 GAAGGAGA-----CCCGGAGCTCAAGAGAGATATCCAAAATTTCCAGAGATATGCG 1200
Qy 899 GAGAGGCGAGTGTTCATCTGAAACGCGCAAAACGCGCAAAAGTGAACGAATTTCTCAA 958

1201 AAAGCAGAGAGGAGTC--ACAAGACACTGTTGCAGAGAAATGATGATGCGGGTTCAG 1258
QY 959 AAGTGCAGAAATCGAATCGAATACAGCTTCAACGACACAAAACTCTGGAGTAAGGGTGG 1018
Db 1259 TGAGGAAATGGGAAGCCCGAGAGGACATCATCTAGGGCCTCATCGCTCTACACCTGAGTC 1318
QY 1019 AACGGGAGCTVAGTCTGTGAGAGACCACTGTACAGACGCCAATTTTCACAGSCAGAG 1078
Db 1319 ACAGCTGCTGTCCAGAACTTCCACAGT-----ATCCCTGCTGGTGAAGACC 1368
QY 1079 AGAAGAGAGAGGTGTGAACCTTGGTCTGGCGCACTTCATTTCTACTCTGTCTCTCTCG 1138
Db 1369 CAGAGAAAGGGAGTAAACTTGGATGGAGATTTCTTCTACAGTGTCTGGTGG 1428
QY 1139 GCAAGCTT-----CATCGTACTTTCAGTGGAAACAGCACTATCGCTTGTATGTGGCCA 1192
Db 1429 GTAAGCCCTCAGCAACAGCCAGTGGAGACTGGAAACAAACCATAGCCTGTTCGTAGCCA 1488
QY 1193 TTTCTATCGCTCTCTGCTTCTACCTTGTCTGCTGCGCGCTTCAACAGGAGCACTCCCGG 1252
Db 1489 TATTAATGGTTTGTGCTTACATTTACTCTCTGCTTCCATTTTCAAGAAAGCAATGCCAG 1548
QY 1253 CTCCTG-CAATTTCCATTTCTCGGACTCATTTTCTACTTTTGTACCCGCTGGATCATCA 1311
Db 1549 CTCTTCCAATCTCCATCACCTTGGGCTTGTCTTCTACTTGTGCCACAGATTTATCTGTAC 1608
QY 1312 CCCCATTGTACACAGT 1330
Db 1609 AGCCCTTTATGGACCAAT 1627

RESULT 18

US-08-706-344C-31

; Sequence 31, Application US/08706344C
; Patent No. 6248555
; GENERAL INFORMATION:
; APPLICANT: TANZI, RUDOLPH
; APPLICANT: WASCO, WILMA
; TITLE OF INVENTION: Genetic Alterations Related To Familial
; TITLE OF INVENTION: Alzheimer's Disease
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 NEW YORK AVENUE, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/706,344C
; FILING DATE: 30-AUG-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/003,054
; FILING DATE: 31-AUG-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: KIM, JUDITH U.
; REGISTRATION NUMBER: 40,679
; REFERENCE/DOCKET NUMBER: 0609,4180001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2765 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 249..1649

US-08-706-344C-31

Query Match

Best Local Similarity 16.4%; Score 246.6; DB 4; Length 2765;

Pred. No. 5.1e-53;

Matches 665; Conservative 0; Mismatches 514; Indels 40; Gaps 7;

QY 119 AAGACCAAAATGTTGTGGAAGAGCGGAGCTGAAATACGAGCATCTCAGCTTATTCATC 178
Db 442 AAGATGAGGAAGAAGATGAGAGCTGACATTTGAAATATGCGCAAGCATGTGATCATCG 501
QY 179 TATTTGTGGCGGTGTCTCACTATGCTATGCTCTGCTGTTGTTTACGATGAACACCATACGT 238
Db 502 TCTTTCTCCTGTGACTCTCTGCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 561
QY 239 TTTATAGTCAAAACAAATGGAAGCAATTTACTATACATCTCTTTGTCGGGAAACAGACA 298
Db 562 TTTATACCGGAGGATG---GGCAGCTAATCTATACCCCATTCACAGAAATACCGAGA 618
QY 299 GTATCCTTTGAGAGGAGTATGATGCTCACTTGGAAATGCTCTCGTCATGTTCTGCTGGT 358
Db 619 CTGTGGCCAGAGAGCCCTGCACCTCAATTTCTGAAATGCTGCAATCATGATCATGCTATTG 678
QY 359 TTTGATGACAGTTCTGCTGATTTGTTTCTATAAATACAAGTTTATAAGCTTATTCATG 418
Db 679 TTGTCATGACTATCCTCCTGGTGTCTGTATAAATACAGGTGCTATAGGTCATCCATG 738
QY 419 GATGCTTATGTCAGCACTTTTCTTCTTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 478
Db 739 CCTGGCTTATATATCATCTCTATTTCTGCTGCTTCTTTTCTTCTTCTTCTTCTTCTTCT 798
QY 479 AAGTCTGAAAAGTTTCGATGTCTCCAGCCCACTATGTTTGTGTTGGACTGGGTA 538
Db 799 AAGTGTAAACCTATAACAGTTGCTGTGGACTACATTTACTGTGCATCTCTGATCTGGA 858
QY 539 ACTATGGAGTTCTCGGAATGATGTATACATTGGAAGGTCCATTCGCTGCAACAGT 598
Db 859 ATTTTGGTGTGGTGGAAATGATTTCCATTCATGGAAGGTCCATTCGACTCCACAGG 918
QY 599 TCTACCTTATTAACAATGTCGCACTAATGGCTCTGGTCTTTTATCAAGTACCTACCAAGAT 658
Db 919 CATATCTCATTTATGATTTAGTGCCTCATGGCCTGCTGTTTATCAAGTACCTCCCTGAAT 978
QY 659 GGACTGTGTGTTGCTGCTGTTTGTATCTCGGTTTGGCATCTGGTTCGCTGCTCACAC 718
Db 979 GGACTGCGTGGCTCATCTTGGCTGTGATTTAGTATATGATTTAGTGGCTGTTTGTGTC 1038
QY 719 CAAAAGGACCAATTTGATATTTGGTGGAAACTGCAAGAGGAGAGAAACAGCAATTTTCC 778
Db 1039 CGAAAGTCCACTTCATATGCTGGTTGAAACAGCTCAGGAGAGAAATGAACGCTTTTTC 1098
QY 779 CGGCGCTGATTTATTCGCTGGAGTCATCTATCCCTACCTTCTTCTTCTTCTTCTTCTT 838
Db 1099 CAGCTCTCATTTACTCTCTCAACAAT-----GGTGTGTTGCTGAATATGCA 1145
QY 839 ACACGACAGACCCCGTGAACCGAGCTGCTCAGACTCAAACTCTTCTACAGCTTTTCTG 898
Db 1146 GAAGGAGA-----CCCGGAAGCTCAAGGAGAGTATCCAAAATTTCCAGCAATATGAG 1200
QY 899 GAGAGCGGAGTTGTTTCATCTGAAACGCCCAAAAGTGAACCAATTTCTCTCAA 958
Db 1201 AAAGCAGAGAAAGGGAGTCT--ACAAGACACTGTTGCAGAGATGATGATGGGGGTTTCA 1258
QY 959 AAGTGCAGAAATCGAATCGAATACTACAGCTTCAACGACACAAAACTCTGGAGTAAGGGTGG 1018
Db 1259 TGAGGAATGGGAAGCCCGAGAGGACAGTCATCTAGGGCTCTATCGCTCTACACCTGAGTC 1318
QY 1019 AACGGGAGCTAGTCTGTGAGAGACCACTGTACAGAGCCCAATTTTTCACAGGACGAG 1078
Db 1319 ACGAGCTGCTGTCCAGGAACCTTTTCAGCAGT-----ATCCTGCTGTTGAAGACC 1368

Qy		1079	AGGAAGAGAGAGGTGAAACTTTGGTCTGGGGACATTCATTCTCTACTCTGTCTCCTCG	1138:
Dd		1369	CAGAGAAGGGGATAAACCTTTGGATTTCCATTTTCACAGTGTTCTGGTTG	1428
Qy		1139	GCAAGGCCT-----CATCGTACTTTGACTGGNACAGCACTATCGTTGTATATGGCCA	1192
Dd		1429	GTAAAGCCTCAGACAAGCACGAGTGAGACTGGAACAACAACCATACGCCCTGTTTCGTAGCA	1488
Qy		1193	TTCCTTAFCGGTCTCTCTCACTCTTTGTCCTGCTGCGCCCTCTCAAACGAGCACTCCCGG	1252
Dd		1489	TATTAATTTGGTTTTGTGCGCTTACATTAATTACTCTTGCCATTTTCAAGAAAGCATTGCCAG	1548
Qy	.	1253	CTCTG-CAATTTCCATTTCTCGGACTCATTTTTTACTTTTGTACCCGCTGGATCAACA	1311
Dd		1549	CTCTTCCAATCTCCATCACTTTGGGCTTGTCTTTCTACTTTGCCACAGATTATCTGTAC	1608
Qy		1312	CCCCATTTGTTACACAAGT	1330
Dd		1609	AGCCTTTTATGGACCAATT	1627

RESULT 19

```

US-08-967-101-1
; Sequence 1, Application US/08967101
; Patent No. 5840540
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMMENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 183
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: High Street Tower - 125 High Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/967.101
; FILING DATE: 10-NOV-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/592,541
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pitcher, Edmund R.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2791 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-967-101-1

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Query Match	16.4%	Score 246.6	DB 2	Length 2791
Best Local Similarity	54.6%	Pred. No. 5.1e-53		
Matches 665	Conservative	0	Mismatches 514	Indels 40
			Gaps	7
119	AAGCAGAAATGTTGTGGAGAAGCGAGCTGAATACGGAGCATCTCACGTTATTATTC	178		
443	AGATGAGGAAGAAGATGAGGAGCTGACATTGAATATGCGCCAGCATGTGATCATGC	502		

[illegible]

Query Match	16.4%	Score 246.6	DB 3	Length 2791
Best Local Similarity	54.6%	Pred. No. 5.1e-53		
Matches 665	Conservative 0	Mismatches 514	Indels 40	Gaps 7
QY	119	AAGACGAAATGTTGTGGRAAGCGGAGCTGAAATACGAGGATCTCAGCTTATTCATC	178	
DB	443	AGATGAGGAAGAAGATGAGGAGCTGACATTTGAAATATGGCGCAAGCATGTGATCATGC	502	
QY	179	TATTTGTCGGGTGTCACATATGCATGCTCTGCTGTGTTTTACGATCAACACGATTACGT	238	
DB	503	TCTTTGTCCTGTGACTCTCTGCATGGTGGTGGCTGACATTAACTCAGTCAGCT	562	
QY	239	TTTATAGTCAAAACAATGGAAGGCATTTACTATACATCCTTTTGTCCGGGAACACACA	298	
DB	563	TTTATACCCGGAAGGATG--GSCAGCTAATCTATACCCCATTCACAGAAGATACCGAGA	619	
QY	299	GTATCGTTGAGAAGGATTGATGTCTACTTGGAAATGCTCTGTCATGTTGTGCGTGGTCG	358	
DB	620	CTGTGGGCCAGAGAGCCCTGCACCTCAATTCTGAATGCTGCCATCATGATCAGTGTCAATTG	679	
QY	359	TTCTGATGACAGTTCCTGCTGATGTTTCTTATATAATACAAAGTTTTTAAAGCTTATTCATG	418	
DB	680	TTGTCATGACTATCCCTCCCTGGTGGTTCTGTATAAATACAGGTGCTATAAGGTCATCCATG	739	
QY	419	GATGGCTTATTTGTCAGCAGTTTTCTTCTTTCTTCTATTCTACTACAACTATGTCGAAG	478	
DB	740	CCTGGCTTATTATCATCTCATTTGTTGCTGTCTTTTTTTCATTCATTTACTTGGGGG	799	
QY	479	AAGTCTTGAAAAGTTTCGATGTGTCCTCCAGCGCACATATTGTTTGTGGACTGGGTA	538	
DB	800	AAGTGTTTAAAAACCTATAACGTTGCTGTGGACTACATTACTGTGTGCACCTCCTCATCTGGA	859	
QY	539	ACTATGAGGATTCCTCGAATGATGTGTATACATTTGGAAGGTCATTCGGTCTCGCAACAGT	598	
DB	860	ATTTGGGGTGTGGGAATGATTTCCATTCATCTGGAAGGTCACATTCGACTCCAGCCAGG	919	

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RESULT 22
US-09-127-480-1
; Sequence 1, Application US/09127480
; Patent No. 6194153
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMMENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 183
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBRAULT
; STREET: High Street Tower - 125 High Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

```

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/127,480
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/592,541
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Pitcher, Edmund R.
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2791 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
US-09-127-480-1

Query Match 16.4%; Score 246.6; DB 4; Length 2791;
Best Local Similarity 54.6%; Pred. No. 5.1e-53;
Matches 665; Conservative 0; Mismatches 514; Indels 40; Gaps 7;

```
QY 119 AAGAGAAATGTGTGGAAGAGCGAGTGAATACGAGCATCTCAGCTTATTCATC 178
D 119 AAGAGAAATGTGTGGAAGAGCGAGTGAATACGAGCATCTCAGCTTATTCATC 178
D 443 AAGATGAGGAAGATGAGGAGCTGACATTTGAATATGGCCCAAGCATGATCATGC 502
QY 179 TATTTGCGGTGTCACATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 238
D 179 TATTTGCGGTGTCACATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 238
D 503 TCTTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 562
QY 239 TTTATAGTCAAAACAAATGGAAGCAATTTACTACATCCTTTTGTCCGGGAAACAG 298
D 239 TTTATAGTCAAAACAAATGGAAGCAATTTACTACATCCTTTTGTCCGGGAAACAG 298
D 563 TTTATACCGGAGGATG--GCGAGTAACTATATACCCCAATTCACAGAGATACCGAGA 619
QY 299 GTATCGTTGAGAGGAGTATGATCTCACTTGGAAATGCTCTGCTCATGTTGTGCTG 358
D 299 GTATCGTTGAGAGGAGTATGATCTCACTTGGAAATGCTCTGCTCATGTTGTGCTG 358
D 620 CTGTGGGCGAGAGGCGCTGCACTCAATTTCTGAATGCTGCAATGATGATGATG 679
QY 359 TTTCTGATGACATGCTGCTGATGTTTCTAATAAATAAGTTTATAAGCTTATTCATG 418
D 359 TTTCTGATGACATGCTGCTGATGTTTCTAATAAATAAGTTTATAAGCTTATTCATG 418
D 680 TTGTCATGACTATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 739
QY 419 GATGGCTTATGCTGAGCAGTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 478
D 419 GATGGCTTATGCTGAGCAGTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 478
D 740 CTTGCTTATATATATATATATATATATATATATATATATATATATATATATAT 799
QY 479 AAGTTCTGAAAAGTTTCATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 538
D 479 AAGTTCTGAAAAGTTTCATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 538
D 800 AAGTTGTTAAACCTATTAACGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 859
QY 539 ACTATGAGAGTCTCGAATGATGATATACATGGAAGGCTCAATGCTGCTGCTGCT 598
D 539 ACTATGAGAGTCTCGAATGATGATATACATGGAAGGCTCAATGCTGCTGCTGCT 598
D 860 ATTTGGGTGTGGTGGGAATGATTTCCATTCAGTGAAGGCTCCATTCAGCTCAGCAG 919
QY 599 TCTACTTATACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 658
D 599 TCTACTTATACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 658
D 920 CATATCTCATATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 979
QY 659 GGACTGTGTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 718
D 659 GGACTGTGTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 718
D 980 GGACTGCTGCTCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1039
QY 719 CAAAGAGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 778
D 719 CAAAGAGCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 778
D 1040 CGAAGGCTCACTTCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1099
QY 779 CGGCGCTGATTTATTCGCTGAGGATCATCTATCCCTAGTCTTCTGTTACTGCA 838
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1100 CAGCTCTCAATTTACTCTCAACAT-----GGTGGTGGTGAATATGCA 1146
QY 839 ACAGGACAGACCCCGGTGAACGAGCTGCTGACACTCAATATCTTACAGCTTTCTG 898
D 1147 GAAGGAGA-----CCCGGAAGCTCAAAAGAGAGATATCCAAAAATCCAAATATG 1201
QY 899 GAGAGGCGAGTGTGTTCACTGAAAGCGCAAAACGGCCAAAGTCAAAAGATTCCTCAA 958
D 1202 AAAGCACAGAAAGGAGTC--ACAAGACACTGTTGAGAGATATGATGCGCGGTTTCAG 1259
QY 959 AAGTGAATAATCGAATCAATCACTTCAACGACACACAAAACTCTGAGAGTAAGGCTG 1018
D 1260 TGAGGAATGGGAAGCCAGAGGAGCATCTAGGSCCTCATCGCTTACACCTGAGTC 1319
QY 1019 AACGGGAGCTAGCTGCTGAGAGACCACTGTAAGAGCGCAATTTTACAGGACAGAG 1078
D 1320 ACAGCTGTGCTCCAGGAATTTCCAGCAGTAT-----CCTCGCTGGTGAAGACC 1369
QY 1079 AGGAAGAGAGAGCTGTGAACCTTGGTCTGGCGACTTCATTTTCTACTCTGTTCTCT 1138
D 1370 CAGAGGAAGGAGTAATAACTTGGATTTGGAGATTTCAATTTCTACAGTGTCTGTTG 1429
QY 1139 GCAAGGCTT-----CATGCTACTTTGACTGGAACACGACTATCGCTTGTATGTGCGCA 1192
D 1430 GTAAAGCCCTCAGCAACAGCCAGTGAGACTTGGAAACACACACCATAGCTGTTCTG 1489
QY 1193 TTTCTTATCGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1252
D 1490 TATTAATGTTGTTGCTGCTTACATTTACTTCTGCTGCTGCTGCTGCTGCTGCTG 1549
QY 1253 CTCTG--CAATTTCCATTTTCTCGGAGCTCATTTTCTACTTTTGTACCCGCTGATCATCA 1311
D 1550 CTCTTCCAATCTCCATCAGCTTGGCTGTTTCTTCTTCTGCTGCTGCTGCTGCTG 1609
QY 1312 CCCCATTGTTACACAAAT 1330
D 1610 AGCCTTTTATGACCAAT 1628
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RESULT 23

US-08-496-841C-1

Sequence 1, Application US/08496841C

Patent No. 6210919

GENERAL INFORMATION:

APPLICANT: ST. GEORGE-HYSLOP, PETER H

ROMMENS, JOHANNA M

FRASER, PAUL E

TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED

TO ALZHEIMER'S DISEASE

NUMBER OF SEQUENCES: 175

CORRESPONDENCE ADDRESS:

ADDRESSEE: Darby & Darby, PC

STREET: 805 Third Avenue

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10022

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/496,841C

FILING DATE: 28-Jun-1995

CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Paul F. Fehner, Ph.D.

REGISTRATION NUMBER: 35,135

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 527-7700

TELEFAX: (212) 753-6237

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2791 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-08-496-841C-1

Query Match 16.4%; Score 246.6; DB 4; Length 2791;
Best Local Similarity 54.6%; Pred. No. 5.1e-53;
Matches 665; Conservative 0; Mismatches 514; Indels 40; Gaps 7;

```
QY 119 AAGACGAAATGTTGTGGAAGAGCGGAGCTGAAATACGAGCATCTCAGCTTATTCATC 178
DB 119 AAGACGAAATGTTGTGGAAGAGCGGAGCTGAAATACGAGCATCTCAGCTTATTCATC 178
QY 443 AAGATGAGGAAGATGAGGAGCTGACATTGAATATGCGCCAGCATGTCATATGC 502
DB 443 AAGATGAGGAAGATGAGGAGCTGACATTGAATATGCGCCAGCATGTCATATGC 502
QY 179 TATTTGTCGGGTGTCATATGATGCTGCTGTTGTTTACGATGAACAGATTACGT 238
DB 179 TATTTGTCGGGTGTCATATGATGCTGCTGTTGTTTACGATGAACAGATTACGT 238
QY 503 TCTTTGTCCTGTGACTCTCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 562
DB 503 TCTTTGTCCTGTGACTCTCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 562
QY 239 TTTATAGTCAAAACATGGAAGCATTTACTATACATCTCTTTTTCGCGGAAACAGACA 298
DB 239 TTTATAGTCAAAACATGGAAGCATTTACTATACATCTCTTTTTCGCGGAAACAGACA 298
QY 563 TTTATACCGGAAGGATG---GGCAGCTAATCTATACCCCATTCACAGAAATACCGAGA 619
DB 563 TTTATACCGGAAGGATG---GGCAGCTAATCTATACCCCATTCACAGAAATACCGAGA 619
QY 299 GTATCGTTGAGAGGATGATGATCTGCTGAAATGCTCTGCTCATGTTGTGCTGCTGCTG 358
DB 299 GTATCGTTGAGAGGATGATGATCTGCTGAAATGCTCTGCTCATGTTGTGCTGCTGCTG 358
QY 620 CTGTGGCCAGAGAGCCCTGCACTCAATCTGATGCTGCCATCATGATGATGATGATG 679
DB 620 CTGTGGCCAGAGAGCCCTGCACTCAATCTGATGCTGCCATCATGATGATGATGATG 679
QY 359 TTTCTGATGACAGTTCTGCTGATGTTTCTTATAAATACAGTTTATAAGCTTATTCATG 418
DB 359 TTTCTGATGACAGTTCTGCTGATGTTTCTTATAAATACAGTTTATAAGCTTATTCATG 418
QY 680 TTCTCATGACTATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 739
DB 680 TTCTCATGACTATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 739
QY 419 GATGGCTTATGTCAGCAGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 478
DB 419 GATGGCTTATGTCAGCAGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 478
QY 740 CTTGGCTTATATATCATCTCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 799
DB 740 CTTGGCTTATATATCATCTCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 799
QY 479 AAGTCTGAAAGTTTCTGATGCTCTCCAGCGCCTATTTGTTTGTGCTGCTGCTGCTGCTG 538
DB 479 AAGTCTGAAAGTTTCTGATGCTCTCCAGCGCCTATTTGTTTGTGCTGCTGCTGCTGCTG 538
QY 800 AAGTCTGTTAAACCTATAAGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 859
DB 800 AAGTCTGTTAAACCTATAAGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 859
QY 539 ACTATGGAGTTCTCGAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 598
DB 539 ACTATGGAGTTCTCGAATGATGATGATGATGATGATGATGATGATGATGATGATGATG 598
QY 860 ATTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 919
DB 860 ATTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 919
QY 599 TCTACCTTATTAACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 658
DB 599 TCTACCTTATTAACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 658
QY 920 CATATCTCATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 979
DB 920 CATATCTCATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 979
QY 659 GGACTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 718
DB 659 GGACTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 718
QY 980 GGACTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 1039
DB 980 GGACTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 1039
QY 719 CAAAGGACCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 778
DB 719 CAAAGGACCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 778
QY 1040 CGAAGGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1099
DB 1040 CGAAGGTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1099
QY 779 CGGCGCTGATTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 838
DB 779 CGGCGCTGATTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 838
QY 1100 CAGCTCTATTACTCTCTCAACAAT-----GGTGTGTTGTTGTTGTTGTTGTTGTTGTTG 1146
DB 1100 CAGCTCTATTACTCTCTCAACAAT-----GGTGTGTTGTTGTTGTTGTTGTTGTTGTTG 1146
QY 839 ACACGACAGACCCCGTGAACCGAGCTGCTGAGACTCAAAATCTCTACAGCTTTTCTGTCG 898
DB 839 ACACGACAGACCCCGTGAACCGAGCTGCTGAGACTCAAAATCTCTACAGCTTTTCTGTCG 898
QY 1147 GAAGGAGA-----CCCGAAGCTCAAGAGAGAGTATCCAAAATTCRAAGTATATGACG 1201
DB 1147 GAAGGAGA-----CCCGAAGCTCAAGAGAGAGTATCCAAAATTCRAAGTATATGACG 1201
QY 899 GAGAGCGAGTTGTTCACTCTGAACGCCAAACGCGCCAAAGTGAACGAATTCCTCAA 958
DB 899 GAGAGCGAGTTGTTCACTCTGAACGCCAAACGCGCCAAAGTGAACGAATTCCTCAA 958
QY 1202 AAGACACGAAAGGAGTCT--ACAAGACACTGTTTCAGAGAAATGATGATGCGGGTTTCAG 1259
DB 1202 AAGACACGAAAGGAGTCT--ACAAGACACTGTTTCAGAGAAATGATGATGCGGGTTTCAG 1259
QY 959 AAGTCAAAATCGAATCTGATCTACAGCTTCAACGACACAAAACCTCGAGTAAGGGTGG 1018
DB 959 AAGTCAAAATCGAATCTGATCTACAGCTTCAACGACACAAAACCTCGAGTAAGGGTGG 1018
QY 1260 TGAGGAATGGGAAGCCAGAGGACAGTCACTAGGGCTCTATCGCTCTACACCTGAGTCT 1319
DB 1260 TGAGGAATGGGAAGCCAGAGGACAGTCACTAGGGCTCTATCGCTCTACACCTGAGTCT 1319
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QY 1019 AACGGGAGCTAGCTGTGAGAGACCAACTGTACAAGACGCCAATTTTCACAGGACGGAAG 1078
DB 1320 AACGAGTGTCTGTCCAGAACTTTCCACAGATAT-----CCTCGCTGGTGAAGACC 1369
QY 1079 AGGAAGAGAGAGGTGTGAACACTTTGGTCTGGCGGACTTCATTTTCTACTCTGTCTCG 1138
DB 1370 CAGAGGAAGGGGAGTAAACTTTGGATTTGGGAGATTTCATTTTCTACAGTGTCTGGTTG 1429
QY 1139 GCAAGGCTT-----CATCGTACTTTGACTGGAACAGGACTATCGCTTGTATGTGGCCA 1192
DB 1430 GTAAGCCCTCAGCAACAGCCAGTGGAGACTTGAACACACACCATAGCTGTTTCTGTAAGCA 1489
QY 1193 TTTCTTATCGTCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1252
DB 1490 TATTAATTTGTTTGTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1549
QY 1253 CTCTG-CAATTTCCATTTTCTCGGACTCATTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1311
DB 1550 CTCTTCCAACTCTCCATCAGCTTTTGGCTGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1609
QY 1312 CCCCATTTTGTACACAAGT 1330
DB 1610 AGCCTTTTATGGACCAATT 1628
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RESULT 24

US-09-124-523-1
; Sequence 1, Application US/09124523
; Patent No. 6395960
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMMENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 183
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: High Street Tower - 125 High Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/124,523
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,541
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pitcher, Edmund R.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2791 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-124-523-1

Query Match 16.4%; Score 246.6; DB 4; Length 2791;
Best Local Similarity 54.6%; Pred. No. 5.1e-53;
Matches 665; Conservative 0; Mismatches 514; Indels 40; Gaps 7;

119 AAGACGAAATGTTGTGGAAGAGCGAGCTGAAATACGAGAGATCTCAGTTATTCATC 178
143 AAGATGAGGAGAGATGAGGAGCTGACATTTGAAATATGCGCAAGCATGTGATCAGC 502
179 TATTTGCGCGGTGCTACTATGATGCTCTGTTGTTTACGATGAACACGATTACGT 238
503 TCITTTGCCCTGAGCTCTGATGCTGTTGTTGCTGGCTACCATTAAGTCAGTCAGCT 562
239 TTATAGTCAAAACAAATGGAAGGCAATTTACTATACATCCTTTTTCGCGGGAACAGACA 298
563 TTTATACCGGAAGGATG---GCAGCTAATCTATACCCCATTCACAGAGATACCGAGA 619
299 GTATCGTTGAGAGGATGATGCTACTTGGAAATGCTCTCGTCATGTTGCGTGGTGC 358
620 CTGTGGCCAGAGAGCGCTGCACTCAATCTGATGCTGCCATCATGATCAGTGTGATTC 679
359 TTCTGATGACAGTCTGCTGATGTTTCTATAAATACAGTTTATAAGCTTATTCATG 418
680 TTCTCATGACTATCCTCGTGGTGTCTGTATAAATACAGTGTCTATAAGGTCATCCAG 739
419 GATGCGTTATGTCACAGTTTCTCTCTTTTCTTATTAATCAATCAATCTATGCAAG 478
740 CTTGCTTATTAATCATCTCTATTTCTGCTGTTCTTTTTCATTCATTTACTTGGGG 799
479 AAGTTCTGAAAGTTTCGATGCTCTCCAGCCACTATGTTTGTGTTGGACTGGGA 538
800 AAGTGTGTTAAACCTAATACGTTGCTGGACTACATTTAGTTGCACTCTGATCGGA 859
539 ACTATGGAGTCTCGGAATGATGTATACATTTGGAAGTCAATTCGCTGCAACAGT 598
860 ATTTGGGTGTTGGGAATGATTTCCATTCACCTGGAAGTCCATCTGCACTCCAGCAG 919
599 TCTACCTTATTAATGTCGACTAATGGCTGTGTTTATCAAGTACCTACCAAGAT 658
920 CATATCTATTAATGATAGTGGCTCATGGCTGTTTATCAAGTACCTCCCTGAT 979
659 GGACTGTGTTGTTGCTGTTTATCTCGTTGGATGCTGGTGGCTGCTGCTACAC 718
980 GGACTGTGTTGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 1039
719 CAAAGGACCAITGAGATATTTTGGTGAACCTGCACAGGAGGATCAATTTCTCC 778
1040 CGAAAGTCCACTGCTATGCTGTTGTAAGAGCTCAGGAGAGAAATGAACGCTTTTC 1099
779 CGCGCTGATTTATGCTGAGTCACTATCCCTACGTTCTGTTACTGAGTGA 838
1100 CAGCTCTATTTACTCTCAACAAT-----GGTGTGTTGTTGATGCA 1146
839 ACACGACAGACCCCGTGAACGAGCTGCTCAGACTCAATACTTCTACAGCTTTTCCTG 898
1147 GAAGGAGA-----CCGGAAGCTCAAGAGGAGTATCCAAATTTCCAGTATAATGCAG 1201
899 GAGAGCGAGTTGTTCTATCTGAAACGCCAAACGCGCAAGTGAACGAATTCCTCAA 958
1202 AAAGCAGAGAGAGGAGTGC--ACAGACACTGTTCCAGAGATGATGAGCGGTTTCAG 1259
959 AAGTCAATCGAATGATCTACAGCTTCAACGACACAAACTCTGAGTAAGGTTG 1018
1260 TGAGGAATGGAAGCCAGAGGAGACATCTAGGCTCATGCTCTACACCTGAGTC 1319
1019 AACGGAGCTAGTCTCAGAGACCACTGTACAGAGCGCAATTTTCCAGAGCAGAG 1078
1320 ACGAGCTGCTGTCAGGAACCTTCCAGCAGTAT-----CCTCGCTGTTGAGACC 1369
1079 AGGAGAGAGAGGTTGAAACTTGTCTGGCGGACTTCATTTTCTACTCTCTCTCC 1138
1370 CAGAGGAAGGAGTAACTTGGATGGAGATTTCTTTTCTACAGTGTCTGTTG 1429
1139 GCAGGCTT-----CATGCTACTTTGACTGGAACAGCACTATGCTGTTGTTGAGCA 1192
1430 GTAAAGCCTCAGCAACAGCCAGTGGAGACTGGAACACCAACCATAGCCTGTTTCGAGCCA 1489

QY 1193 TTCTTACGCTCTCTGCTTCTCCTTCTGCTGCGCTTCTCAACAGGAGCACTCCCGG 1252
Db 1490 TATTAATGTTGTTGCTTACATTTACTCTCTGCTTCCATTTCAAGAAAGCATTCGAG 1549
QY 1253 CTCTG-CAATTTCCATTTCTCGGACTCAATTTTACTTTTGTACCGCTGGATCA 1311
Db 1550 CTCTTCCAATCTCCATCACCTTTGGGCTGTTTCTACTTTTGCACAGATTATCTGTAC 1609
QY 1312 CCCCATTTGTTACACAAGT 1330
Db 1610 AGCCTTTATGACCAATT 1628

RESULT 25

US-08-888-077A-3
Sequence 3, Application US/08888077A
Patent No. 6020143
GENERAL INFORMATION:
APPLICANT: ST. GEORGE-HYSLOP, PETER H
APPLICANT: ROMMENS, JOHANNA M
APPLICANT: FRASER, PAUL E
TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
TITLE OF INVENTION: TO ALZHEIMER'S DISEASE AND USES THEREFOR.
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK
STREET: 600 SOUTH AVENUE WEST
CITY: WESTFIELD
STATE: NJ
COUNTRY: USA
ZIP: 07090-1497
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/888,077A
FILING DATE: 03-JUL-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/592,541
FILING DATE: 26-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: PALISI, THOMAS M
REGISTRATION NUMBER: 36,629
REFERENCE/DOCKET NUMBER: SCHERING 3.0-017 CIP CIP IV
TELEPHONE: (908) 654-5000
TELEFAX: (908) 654-7866
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3086 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 557..1945
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..3086
OTHER INFORMATION: /note= "hps1-2"
US-08-888-077A-3

Query Match 16.4%; Score 246.6; DB 3; Length 3086;
Best Local Similarity 54.6%; Pred. No. 5.3e-53;
Matches 665; Conservative 0; Mismatches 514; Indels 40; Gaps 7;

QY 119 AAGACGAAATGTTGTGGAAGAGCGAGCTGAAATACGAGAGATCTCAGTTATTCATC 178
Db 738 AAGATGAGGAAGAAGATGAGGAGCTGACATTTGAAATATGCGCAAGCATGTGATCAGC 797

Db 1396 CAGCTCTCAITTTACTCTCAACAT-----GGTGTGGTTGGTGAATATGGCA 1442
QY 839 ACACGACAGACCCCGGTGACCGAGCTGCTGACAGCTCAATATCTTACAGCTTTTCTG 898
Db 1443 GAAGGAGA-----CCCGGAAGCTCAAGAGAGATATCCAAAAATTCGAATATATGCG 1497
QY 899 GAGAGGCGAGTTGTTCATCTGAACGCGCAACGCGCAAGAGTGAACGAATTCCTCAA 958
Db 1498 AAAGCACAGAAAGGAGTC--ACAAGACACTGTTGCAGAGAAATGATGATGCGCGGTTTCAG 1555
QY 959 AAGTGCAAATCGAATCAATACAGCTTCAACGACACAAAACTCTGGAGTAAGGTGG 1018
Db 1556 TGAGGAATGGGAAGCCAGAGGACAGCTATCTAGGCGCTCATCGCTTACACCTGAGTC 1615
QY 1019 AACGGGAGCTAGCTGTGAGAGACCAACTGTACAAGACGCCAATTTTACAGGACAGG 1078
Db 1616 ACAGAGCTGCTGTCCAGAACTTTCCAGCAGTAT-----CCTCGCTGGTGAAGACC 1665
QY 1079 AGAAGAGAGAGGTGTGAACACTTGTCTGGCGACTTCAATTTCTACTCTGTCTCTCG 1138
Db 1666 CAGAGGAAGGGAGTAAACTTGGATGGGAGATTTCAATTTCTACAGTGTCTGTTG 1725
QY 1139 GCAAGGCTT-----CATCGTACTTTGACTGGACAGCACTATCGCTTGTATGTGGCCA 1192
Db 1726 GTAAAGCTCAGCAACAGCCAGGAGACTGGAGACTGGACACACCACTAGCTGTTCGTAGCCA 1785
QY 1193 TTCTTATCGTCTCTGTTCACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1252
Db 1786 TATTAATTTGTTTGTGCTTACATTTACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1845
QY 1253 CTCTG-CAATTTCTCGGACTCAATTTTACTTTTGTACCCGCTGATCATCA 1311
Db 1846 CTCTCAATCTCCATCACCCTTGGGCTGTTTCTACTTTGGCACAGATATATCTTGTAC 1905
QY 1312 CCCATTTGTACCAAGT 1330
Db 1906 AGCCTTTTATGGACCAAT 1924

RESULT 29

US-09-127-480-5
; Sequence 5, Application US/09127480
; Patent No. 6194153
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TO ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 183
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: High Street Tower - 125 High Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/127,480
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,541
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pitcher, Edmund R.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000

; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3087 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
US-09-127-480-5

Query Match 16.48; Score 246.6; DB:4; Length 3087;
Best Local Similarity 54.68; Pred. No. 5.3e-53;
Matches 665; Conservative 0; Mismatches 514; Indels 40; Gaps 7;
QY 119 AAGACGAAAAATGTTGTGGAAGAGCGAGCTGAATATACGGAGCATCTCACGTTTATCATC 178
Db 739 AAGATGAGGAAGAGATGAGGAGCTGACATTTGAATATATGGCCCAAGCATGTGATCATGC 798
QY 179 TATTTGTCCGGTGTCTACTATGANTGCTCTGGTGTGTTTATACGATGAACACGATTACGT 238
Db 799 TCTTTGTCCCTGTGACTCTCTGCATGTTGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 858
QY 239 TTATATAGTCAAAACAATGGAAGCATTTACTATACATCTCTTTTGTCCGGGAACACACA 298
Db 859 TTTATACCCGGAAGGATG---GGCAGCTAATCTATATACCCCATTCACAGAAGATACCGAGA 915
QY 299 GTATCGTTGAGAGGAGTATGATGTCACCTTGGAAATGCTCTGCTCATCTGTGTGCTGTGCTG 358
Db 916 CTGTGGCCAGAGAGCCCTGCACCTCAATTTCTGAATGCTGCATCATGATCATGATCATGTCAT 975
QY 359 TTCTGATGACAGTCTGCTGATTTCTTCTATAAATAACAAGTTTATAAGCTTATTCATG 418
Db 976 TTGTGATGACTATCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1035
QY 419 GATGGCTTATGTCAGCAGATTTTCTTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 478
Db 1036 CTTGGCTTATATATCATCTATTTGTTGCTGTTCTTTTCTTCTTCTTCTTCTTCTTCTTCT 1095
QY 479 AAGTCTGTAAGAGTTTCTGATGCTCTCCAGCGCACATTTGTTGTTGTTGTTGTTGTTGTTGTT 538
Db 1096 AAGTGTTTAAACCTATAAGTTGCTGTGGACTACATTTACTGTGCTGCTGCTGCTGCTGCTGCT 1155
QY 539 ACTATGAGTCTCGGAATGATGTATATACATTGGAAGGCTCCATGCTGCTGCTGCTGCTGCTG 598
Db 1156 ATTTGGTGTGGTGGGAATGATTTCCATTCACCTGGAAGGCTCCATTCGACTCCAGCAGG 1215
QY 599 TCTACCTTATTAATGCTGCACTAATGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTGCTCTGCT 658
Db 1216 CATATCTCATTTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1275
QY 659 GGAAGTGTGTTGTTGCTGTTTATCTCGGTTTGGGATCTGTTGCTGCTGCTGCTGCTGCTGCT 718
Db 1276 GGAAGTGTGTTGCTGTTTATCTCGGTTTGGGATCTGTTGCTGCTGCTGCTGCTGCTGCTGCT 1335
QY 719 CAAAGGACCATTTAGATATATTTGGTGGAACTCAGACAGGAGAGAAACAGGACCAATTTTCC 778
Db 1336 CGAAAGTCCACTTCGTATGCTGTTGAAACACCTCAGGAGAGAAATGAACGCTTTTTC 1395
QY 779 CGGCGCTGATTTATGCTGTGAGTCACTATATCCCTACGTTCTTGTGTTGTTGTTGTTGTTGTT 838
Db 1396 CAGCTCTCAATTTACTCTCTCAACAAT-----GGTGTGGTTGGTGAATATATGGCA 1442
QY 839 ACACGACAGACCCCGTGAACGAGCTGCTGACACTCAAAATCTTCTACAGCTTTTCTCTG 898
Db 1443 GAAGGAGA-----CCCGGAAGCTCAAGGAGAGTATCCAAAAATTCGAATATATGTCAG 1497
QY 899 GAGAGCGGAGTTGTTTCACTTGAACGCCCAACGCGCAAGAGTGAACGAATTTCTCCAAA 958
Db 1498 AAAGCACAGAAAGGGAGTC--ACAAGACACTGTTGCAGAGAAATGATGATGCGCGGTTTCAG 1555
QY 959 AAGTGCAAATCGAATCAATCACTACAGCTTCAACGACACAAAACCTCTGAGTAAGGTGG 1018
Db 1556 TGAGGAATGGGAAGCCAGAGGAGCATCTATAGGCGCTCATCTGCTCTACACCTGAGTC 1615


```

RESULT 33
US-08-967-101-135
; Sequence 135, Application US/08967101
; Patent No. 5840540
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMMENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE

```


Query Match	16.2%;	Score 243.2;	DB 2;	Length 1962;
Best Local Similarity	54.4%;	Pos. No. 3.2e-52;		
Matches 644;	Conservative	0;	Mismatches 498;	Indels 42; Gaps 6;
QY	116	AAGAAGACGAAATATGTTGTGGAAGCGGAGCTGAATACGGAGCATCTCAGCTATTTC	175	
DB	376	AACAAGATGAGGAGGAAGACGAGCTGACATTGAATATGGAGCCCAAGCATGTCACTCA	435	
QY	176	ATCTATTGTGCCGGTGCTACTATGCATGGCTCTGGTTGTTTTTACGATGAACAGTATTA	235	
DB	436	TGCTCTTTGTCCCGTGACCCCTCGCATGGTCGTCGTCGTCGGCCACCATCAATCAGTCA	495	
QY	236	CGTTTTATAGTCAAAACAANTGGAAGGCATTTACTATCACATCCCTTTTGTCCGGGAACAG	295	
DB	496	GCCTCTATACCCGGAAGGACG--GTCAGCTAAATCTACACCCCAATTCACAGAAGACACTG	552	
QY	296	ACAGTATCGTTGAGAAGGGAATGATGTCACTTTGGAAATGCTCTCGTCTATGTTGTGCGTGG	355	
DB	553	AGACTGTAGCCAAAGAGCCCTGCACATCGATCCTGAATGGGCCATCATGATCAGTGTCA	612	
QY	356	TCGPTCTGATGACAGTTCTCGTGATTTGTTTCTATAAATCAAGTTTATAAGCTTATTTC	415	
DB	613	TTTGCAATATGACCATCCTCCTGGTGCTGTATATAAATACAGGTGCTACAAGGTCACTCC	672	
QY	416	ATGGATGGCTTATTGTGCAGCAGTTTTCTTCTCTCTTTTCCCTATTACATACATCTATGTGC	475	
DB	673	ACGCCTGGCTTATTATTTCATCTCTGTTGTTGCTGTCTTTTTTTCGTTCACTTACTTTAG	732	
QY	476	AACAAGTTCGAAAGTTTCGATGTCTCCAGCGGCACTATTGGTTTGTGTTGGACTGG	535	
DB	733	GGGAAGATTATAAGACCTACAATGTCCCGTGGACTACGTTACAGTAGCACTCCTAATCT	792	
QY	536	GTAACATGAGGTTCTCGGAATGATGTATACATTGGAAGAGTCGATTCGCTCGCAAC	595	
DB	793	GGAAATTTGGTGGTGGGATGATGCCATCCACTGGAAAGGCCCTTTCGACTCGACG	852	
QY	596	AGTTCTACCTTATTAACAATGTGACACTAATGGCTCTGCTTTTATCAAGTACCTACCAG	655	
DB	853	AGGCGTATCTCATATTGATCAGTGCCTCATGSCCCTGGTATTATCAAGTACCTCCCG	912	
QY	656	AATGGACTGTGGTTGTGCTTTGTTTATCTCGGTTTGGGATCTGGTTCGGTGCCTCA	715	
DB	913	AATGGACCCGATGGCTACTCTTGGCTGTGATTTCAGTATATGTTGGTGGTGTATTAT	972	
QY	716	CACCAAAAGGACATTTAGATATTTGGTGAACCTGCACAGAGAGAAACGAGCCAAATT	775	
DB	973	GTCCCAAGAGCCCACTTCTGATGCTGGTTGAAACAGCTCAGGAAGAATGAGACTCTCT	1032	
QY	776	TCCCGGCGTGATTTATTCGTCTGGAGTCACTATCCCTACGTTCTTGTACTGCAGTG	835	
DB	1033	TTCCAGCTCTTATCTATTCTCTCAACAATGGTGT---GGTTGGTGAATATGCGTGAAGGAG	1089	
QY	836	AAACACGACAGACCCCGTGGAACGAGGTCTGTACAGCTCAAAATCTCTACAGCTTTTC	895	
DB	1090	ACCCAGAAGCCCAAGGAGGGTACCCAAGAACCCCAAGTATATACACAAAGACGGGAGA	1149	
QY	896	CTGGAGAGGCGATGTTTCATCT--CAACGCCAAACCGCCAAAAGTGAACGAATTCCT	954	
DB	1150	GAGACACAGACAGTGGTGGTGGGAACGATGATGGTTCGCTTCACTGAGAGTGGGAGG	1209	

RESULT 35
 US-09-124-698-135
 ; Sequence 135, Application US/09124698
 ; Patent No. 6117978
 ; GENERAL INFORMATION:
 ; APPLICANT: ST. GEORGE-HYSLOP, PETER H
 ; APPLICANT: ROMMENS, JOHANNA M
 ; APPLICANT: FRASER, PAUL E
 ; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
 ; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
 ; NUMBER OF SEQUENCES: 183
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: TESTA, HORWITZ & THIBEAULT
 ; STREET: High Street Tower - 125 High Street
 ; CITY: Boston
 ; STATE: Massachusetts
 ; COUNTRY: U.S.A.
 ; ZIP: 02110
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/124,698
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/592,541
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Pitcher, Edmund R.
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 248-7000
 ; TELEFAX: (617) 248-7100
 ; INFORMATION FOR SEQ ID NO: 135:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1962 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; S-09-124-698-135

Query Match	16.2%;	Score 243.2;	DB 3;	Length 1962;
Best Local Similarity	54.4%;	Pred. NO. 3.2e-52;		
Matches 644; Conservative	0;	Mismatches 498;	Indels 42;	Gaps 6;

[illegible]

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QY 1189 GCCATTCTTATCGCTCTCTGCTTCACTTCTGCTCGCCGCTCTTCAACAGGAGCACTC 1248
Db 1422 GCCATACCTGATCGGCCCTGTGCTTACACTTACTCTCTGCTCGCCATTTTCAAGAAAGCGTTG 1481
QY 1249 CCGGCTCT-GCAATTTCCATTTTCTCGGACTCATTTTTTACTT 1291
Db 1482 CCAGCCCTCCCATCTCCATCACCTTCGGGCTGCTGTCTTACTT 1525

RESULT 36
US-09-127-480-135
; Sequence 135, Application US/09127480
; Patent No. 6194153
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H.
; APPLICANT: KOMMENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 183
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HORWITZ & THIBEAULT
; STREET: High Street Tower - 125 High Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/127,480
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,541
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pitcher, Edmund R.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 135:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1962 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-09-127-480-135

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QY 1015 GTGAACGGAGTAGCTGCTGAGAGACCAACTGTACAAGACGCCAATTTTCACAGGCAC 1074
DB 1248 -----CTCCGAGTCAAGAGCTGCTGTCAGGAACCTTTCTGGAGCAATTTCAACGAGTGA 1303
QY 1075 GAAGAGGAGAGAGAGGTGTGAACACTTGGTCTGGCGGACTTTCATTTTCTACTCTGTTCTC 1134
DB 1304 GACCCGAGGAGGAGGAGTAAACTTGGACTGGGAGATTCATTTTCTACAGTGTCTG 1363
QY 1135 CTCGGCAGGCTTCATCGTACT-----TTGACTGGACACGACTATCGCTTGTATGTG 1188
DB 1364 GTTGGTAAGGCTCAGCAACCGCAGTGGAGACTGGAACACACATAGCTGCTTGTGA 1423
QY 1189 GCCATTCTATCTGCTCTCTCTCACTCTTCTGCTGCTGCTGCTGCTCAACAGGACACTC 1248
DB 1424 GCCATGATGCGGCTGCTGCTTACATTAATCTCTGCTGCGCATTTTCAAGAAAGCGTTG 1483
QY 1249 CCGGCTCT-GCAATTTCCATTTTCTCGGAGCTCAATTTTACTT 1291
DB 1484 CCAGCCCTCCCATCTCCATCACTTCCGAGCTGCTGCTACTT 1527

RESULT 40

US-08-967-101-3

; Sequence 3, Application US/08967101

; Patent No. 5840540

; GENERAL INFORMATION:

; APPLICANT: ST. GEORGE-HYSLOP, PETER H

; APPLICANT: ROMMENS, JOHANNA M

; APPLICANT: FRASER, PAUL E

; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED

; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE

; NUMBER OF SEQUENCES: 183

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: TESTA, HURWITZ & THIBEAULT

; STREET: High Street Tower - 125 High Street

; CITY: Boston

; STATE: Massachusetts

; COUNTRY: U.S.A.

; ZIP: 02110

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/967,101

; FILING DATE: 10-NOV-1997

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/592,541

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Pitcher, Edmund R.

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 248-7000

; TELEFAX: (617) 248-7100

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1929 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

US-08-967-101-3

Query Match 15.6%; Score 233.6; DB 2; Length 1929;

Best Local Similarity 53.6%; Pred. No. 8.6e-50;

Matches 635; Conservative 2; Mismatches 505; Indels 42; Gaps 6;

QY 116 AGAAGAGAAATGTTGGAGAGCGGAGCTGAAATACGAGAGCTCTCAGCTTATTC 175
DB 378 AACAAGATGAGGAGGAAGCAAGAGCTGACATTGAAATATGAGCAAGCATGTCATCA 437

QY 176 ATCTATTGTCGCCGGTGTCACTATGCAATGGCTGTGGTTGTTTTTACGATGAACACGATTA 235
DB 438 TGCTCTTTGTCGCCGTGACCTCTGCAATGGCTGTGGTTGTTTTTACGATGAACACGATTA 497
QY 236 CGTTTATAGTCAAAACAATGGAAGGCAATTTACTATCACATCCCTTTTGTCCGGGAACAG 295
DB 498 GCTTCTATACCCGGAAGGAGC---GTCAGCTTAATCTACACCCCAATTCACAGAAGACACTG 554
QY 296 ACAGTATCGTTGAGAAGGATTTGATGTCACTTGGAAATGCTCTCGTCAATTTGTCGGTGG 355
DB 555 AGACTGTAGGCCAAGAGCCCTGCACCTCGATCCCTGAATGCGGCCATCATGATCATGTGCA 614
QY 356 TCGTTCTGATGACAGTGTCTGCTGATGTTTCTTATAAATAACAAGTTTTTATAGCTTATTC 415
DB 615 TTGTCATATGACCATCTCTGCTGGTCTGTATAAATAACAAGTGTCTACAAGGTCTATCC 674
QY 416 ATGATGCTTATTTGTCAGCAGTTTCTTCTCTTTTCTTCTTCTTCTTCTTCTTCTTCTTCT 475
DB 675 ACCTGCTTATTTTCTGTTGCTGTTGCTGTTGCTGTTGCTGTTGCTGTTGCTGTTGCTGTTG 734
QY 476 AAGAAGTCTGAAAAGTTTTCGATGTCTCTCCAGCGCACTATTGTTGTTTGTGGACTGG 535
DB 735 GGGAAGTATTTAAGACCTACAATGCTKCCGTGGACTACGTTACAGTAGCACTCTCTATCT 794
QY 536 GTAACATGAGGTTCTCGGAATGATGTATACATTTGGAAGGTCATTTGGCTCTGCAAC 595
DB 795 GGAATGGGGTGTGGTGGGATGATGTCATCCACTGGAAGGCCCCCTTCGACTGCAGC 854
QY 596 AGTCTACCTTATTTACAAATGTCGCACTAATGCTCTGCTCTGCTCTGCTCTTATCAAGTAC 655
DB 855 AGCGTATCTCATTTATGATCAGTGCCCTCATGCGCCCTGGTATTTATCAAGTACCTCCCG 914
QY 656 AATGACTGTGTGGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 715
DB 915 AATGGACCGCATGCTCATCTTGGCTGTGATTCAGTATATGATTTGGTGGCTGTTTAT 974
QY 716 CACCAAAAGGACCAATGAGATATTTGGTGGAACTGCACAGGAGAGAGAGCAATTT 775
DB 975 GTCCAAAGGCCCACTTCGTATGCTGTTGAAACAGCTCAGGAAGAAATGAGACTCTCT 1034
QY 776 TCCGGCGCTGATTTATTTCTGCTGGAGTCACTATCCCTAGCTTCTTGTACTGCTGTTG 835
DB 1035 TTCCAGCTCTTATCTATTCTCAACAATGGTGT---GGTGGTGAATATGGCTGAAGGAG 1091
QY 836 AAAACACGACAGACCCCGTGAACCGAGCTGTCAGACTCAAAATACCTTCTACAGCTTTC 895
DB 1092 ACCAGAGGCCAAGAGAGGAGTACCCAAAGAACCCCAAGTATACACACAAGAGCGGAGA 1151
QY 896 CTGGAGAGCGAGTTGTTCTATCT-GAAACGCCAAACGGCCAAAGGTGAACGAAATTCCT 954
DB 1152 GAGAGACACAGGACAGTGGTCTGGGAACGATGATGGTGGCTTCAGTGAGGAGTGGAGG 1211
QY 955 CAAAAAGTGAATCGAATCGAATCTACAGCTTCAACGACACAAACTCTGGAGTAAAG 1014
DB 1212 CCCTAAAGAGACAGTCACTCCCTGGGCTCATCGCTCCA----- 1247
QY 1015 GTGGAACGGGAGCTAGCTGCTGAGAGACCAACTGTACAAGACGCCAATTTTCACAGGCAC 1074
DB 1248 -----CTCCGAGTCAAGAGCTGCTGTCAGGAACCTTTCTGGAGCAATTTCAACGAGTGA 1303
QY 1075 GAAGAGGAGAGAGAGGTGTGAACACTTGGTCTGGGAGCTTCAATTTTCTACTCTGTTCTC 1134
DB 1304 GACCCGAGGAGGAGGAGTAAACTTGGACTGGGAGATTCATTTTCTACAGTGTCTG 1363
QY 1135 CTCGGCAAGCTTCATCGTACT-----TTGACTGGAACACGACTATCGCTTGTATGTG 1188
DB 1364 GTTGGTAAGGCTCTACCAACCCCGAGTGGAGACTGGAACACACATAGCTGCTTGTGA 1423
QY 1189 GCCATCTTATCGGCTCTCTGCTTCACTCTTGTCTCTGCTGCTGCTTCTTCAACAGGACACTC 1248
DB 1424 GCCATCTGCTGCGCTGTGCTTANATCTCTCTGCTGCCATTTTACAGAAAGGTTNG 1483
QY 1249 CCGGCTCT-GCAATTTCCATTTTCTCCGGCACTCATTTTACTT 1291

Db 1484 CCAGCCNCCCATCTCCATCACCTTCGGGTTCGTCTCTCT 1527

RESULT 41

US-08-592-541-3

; Sequence 3, Application US/08592541

; Patent No. 5986054

; GENERAL INFORMATION:

; APPLICANT: ST. GEORGE-HYSLOP, PETER H

; APPLICANT: ROMMENS, JOHANNA M

; APPLICANT: FRASER, PAUL E

; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED

; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE

; NUMBER OF SEQUENCES: 183

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: TESTA, HURWITZ & THIBEAULT

; STREET: High Street Tower - 125 High Street

; CITY: Boston

; STATE: Massachusetts

; COUNTRY: U.S.A.

; ZIP: 02110

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/592,541

; FILING DATE:

; CLASSIFICATION: 800

; ATTORNEY/AGENT INFORMATION:

; NAME: Pitcher, Edmund R.

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (617) 248-7000

; TELEFAX: (617) 248-7100

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1929 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

US-08-592-541-3

Query Match 15.6%; Score 233.6; DB 2; Length 1929;
Best Local Similarity 53.6%; Pred. No. 8.6e-50;
Matches 635; Conservative 2; Mismatches 505; Indels. 42; Gaps 6;

QY 116 AAGAAGCAAAATGTTGTGGAAGAGCGAGCTGAAATACGAGGAGCATCTCACGTTATTC 175
Db 378 AACAAGATGAGGAAGGAAGAGAGCTGACATTGAAATATGAGCCAGCATGTCATCA 437
QY 176 ATCTATTTCTGCGGTGTCACATGATGATGCTGCTGTTGTTTACGATGAACAGATTA 235
Db 438 TGCTCTTTTCTGCGGTGAGCCCTCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 497
QY 236 CGTTTATAGTCAAAACAAATGGAAGCATTTACTATCATCTCTTGTTCGGGAAACAG 295
Db 498 GCTTCTATACCGGAGGAGC---GTCAGCTAATCTACACCCATTACAGAAAGACATG 554
QY 296 ACAGTATCTTGAGAGGATGATGTCACITGGAATGCTCTCGTCATGTTGTGCGTGG 355
Db 555 AGACTGTAGGCAAGAGAGCCCTGCACCTGATCTGATGAGGCGCATCATGATGTCATCA 614
QY 356 TCGTTCTGATGACACTCTGCTGATGTTTCTATAAATACAGTTTATAGCTTATTC 415
Db 615 TTGTCATTATGACCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 674
QY 416 ATGGATGCTTATGTCAGCAGTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 475
Db 675 ACGCTGCTTATTTATTTCACTCTGTTGTTGCTGCTCTCTCTCTCTCTCTCTCTCTCT 734

QY 476 AAGAAGTCTCAAAAGTTTCGATGCTCTCCAGCGCACTATTGCTGTTTGTGGACTGG 535
Db 735 GGAAGATATTAAAGACCTACAATGCTCCGCTGGACTAGCTTACAGTACACTCTCTAATCT 794
QY 536 GTAACATATGGAGTTCTCGGAATGATGTATACATTTGAAAGGTCCATTGGCTGCTGCAAC 595
Db 795 GGAATGGGGTGTGGTCCGGATGATGCCATCCACTCGAAGAGGCCCTTCGACTGCAGC 854
QY 596 AGTTCTACCTATTACAAATGCTGCACTAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 655
Db 855 AGCGTATCTCAATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 914
QY 656 AATGCACTGTGGTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 715
Db 915 AATGGACCGCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 974
QY 716 CACCAAAAGGACCATTTGAGATATTTGGTGGAAATGTCACAGGAGAGAAACGAGCCAAATTT 775
Db 975 GTCCCAAGGCCCACTTCGTATGCTGTTGGAACAGCTCAGAAAGAAATGAGACTCTCT 1034
QY 776 TCCCGGCGTGATTTATTCGCTGGAGTCACTATCCCTACGTTCTTGTGTTACTGCACTG 835
Db 1035 TTCCAGCTCTTATCTATCTCAACAATGCTG---GGTTGGTGAATATGGCTGAAGGAG 1091
QY 836 AAAACAGCAGACAGCCCGGTGAACCGACGCTGCTGACACTCAATACTTCTACAGCTTTTC 895
Db 1092 ACCCAGAAGCCCAAGAGGGGTATCCCAAGAACCCCAAGTATAACACACAAAGAGCGGAGA 1151
QY 896 CTGGAGAGCGAGTGTGTCATCT- GAAACGCCAAAGCGGCAAAAGTGAACCAATTCCT 954
Db 1152 GAGAGACACAGGACAGTGGTTCTTGGGAACGATGATGGTGGCTTCAGTGAGGAGTGGAGG 1211
QY 955 CAAAAAGTCAAAATCGAATACGATACAGCTTCAACGACACACAAACACTCTGGAGTAAGG 1014
Db 1212 CCAAAAGAGACAGTCACTACCTGGGCGCTCATCGCTCCA----- 1247
QY 1015 GTGGAACGGGAGCTAGCTGCTGAGACACCAACTGTACAGACGCCAAATTTTCACAGGCAC 1074
Db 1248 ----CTCCGAGTCAAGAGCTGCTGCCAGGAACCTTCTGGGAGCATTTCAACGAGTGAA 1303
QY 1075 GAAGGAAGAGAGAGGAGTGTGAAACTTGGCTGGGCGACTTTCATTCTTCTACTCTGTTCTC 1134
Db 1304 GACCCGGAGGAAGAGGAGTAAACTTGGACTGGGAGATTTCAATTTCTACAGTGTCTG 1363
QY 1135 CTCGGAAGGCTTCATCTGCTACT-----TTGACTGGAACAGCACTATCGCTTGTATGTC 1188
Db 1364 GTTGTGTAAGGCTCTGAGCAACCGCCAGTGGAGACTGGAACACACCAACCATAGCCCTGCT 1423
QY 1189 GCCATTCTTATCGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1248
Db 1424 GCATCTGATCGGCTGTGCTTANATTTACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1483
QY 1249 CCGGCTCT-GCAATTTCCATTTTCTCGGAGCTCATTTTCTTACTT 1291
Db 1484 CCAGCCNCCCATCTCCATCACCTTCGGGTTCGTCTCTCTCT 1527

RESULT 42

US-09-124-698-3

; Sequence 3, Application US/09124698

; Patent No. 6117978

; GENERAL INFORMATION:

; APPLICANT: ST. GEORGE-HYSLOP, PETER H

; APPLICANT: ROMMENS, JOHANNA M

; APPLICANT: FRASER, PAUL E

; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED

; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE

; NUMBER OF SEQUENCES: 183

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: TESTA, HURWITZ & THIBEAULT

; STREET: High Street Tower - 125 High Street

; CITY: Boston

; STATE: Massachusetts

COUNTRY: U.S.A.
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/124,698
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/592,541
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Pitcher, Edmund R.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1929 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-09-124-698-3

Query Match 15.6%; Score 233.6; DB 3; Length 1929;
Best Local Similarity 53.6%; Pred. No. 8.6e-50;
Matches 635; Conservative 2; Mismatches 505; Indels 42; Gaps 6;

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QY 116 AAGAAGACGAAATGTTGTGGAAGACGGAGCTGAAATACGGAGCATCTCAGGTTATTC 175
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D 378 AACAAGATGAGGAGGAGGAGGCTGACATTGAAATATGAGCAACGATGTCATCA 437
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QY 176 ATCTATTGCGCGTCTCACTATGATGCTCTGGTTGTTTACAGTAAACAGATTA 235
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
D 438 TGCCTTTTGGCCCGTGCCTCTGCTGATGGTCTGCTGCGGCCACCATCAAAATCACTCA 497
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QY 236 CGTTTATAGTCAAAACATGGAAGGCAATTTACTATACATCTCTTTTGTCCGGGAACAG 295
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
D 498 GCCTTCTATACCGGAAGGAGC---GTCAGCTATCTACACCCCATTCACAGAGACACTG 554
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
QY 296 ACAGTATCGTTGAGAGGAGTATGATCTCACTTGGAAATGCTCTGTCATGTTTGGGTGG 355
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
D 555 AGACTGTAGGCCAAGAGGCGCTGCATCTGATCTGAAATGCGGCCCATCATGATCAGTGCA 614
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
QY 356 TCGTCTGATGACAGTCTGCTGATGTTTCTTATAAATACAAAGTTTATAAGCTTATTC 415
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
D 615 TTGCTAATGACCATCTCTCGGTGCTCTGTAATAATACAGGTGCTACAAGTCAATCC 674
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
QY 416 ATGGATGGCTTATTTGACAGAGTTTCTTCTCTTTCTTCTTCTTCTTCTTCTTCTTCT 475
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
D 675 AGCGCTGGCTTATTTTCTATCTGTTGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 734
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
QY 476 AGAAGTCTGAAAGTTTCGATGTCCTCCAGCGCACTATTTGTTTGTGGAGTGG 535
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D 735 GGAAGTATTAAAGACCTACAATGTCCKCGTGACTACGTTACAGTAGACACTCTTAATCT 794
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QY 536 GTAACATATGAGTCTCGAATGATGTATACATTTGGAAGTCCATGCTGTCGCAAC 595
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D 795 GGAATGGGGTGGTGGGAGTATGGCCATCCACTGGAAGGCGCCCTTCGACTGCAGC 854
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QY 596 AGTTCTACCTTATTAACAATGCTGCACTAATGGCTCTGTTTATCAAGTACCTACCAAG 655
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
D 855 AGCGTATCTCATATGATGATGCTGCGCTCATGCGCTGTTATTAAGTACCTCCCGG 914
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QY 656 AATGAGCTGTGGTTTGTGCTGTTTGTATCTCGGTTTGGGATCTGTTGCGGCTCA 715
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D 915 AATGGACCGCATGGCTCATCTTGGCTGTGATTTCAATATGATGTTTGGTGGCTGTTAT 974
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
QY 716 CACCAAGAGCAATTTGATATATTTGGTGGAAATGTCACAGGAGAGAAACGAGCAATTT 775
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Db 975 GTCCAAAGGCCCACTTCGTATGCTGGTTGAAACAGCTCAGAAAGAAATGAGACTCTCT 1034
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QY 776 TCCCGGCGCTGATTTATTCGTCTGGAGTCATCTATCCCTAGCTTCTTGTGTTACTGAGTTG 835
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D 1035 TTCAGCTCTTATCTATTCCTCAACAATGGTGT---GGTTGGTGAATATGCTGAAGGAG 1091
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QY 836 AAAACACGACAGAGACCCCGTGAACCGAGCTGTCAGACTCAAAATCTCTACACCTTTTC 895
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D 1092 ACCAGAAGCCCAAGAGGGGTACCCAGAACCCCAAGTATACACAAAGACGGGAGA 1151
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
QY 896 CTGGAGAGGGAGTTGTTTCATCT- GAAACGCCAAACGGCCAAAGTGAACGAAATTCCT 954
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D 1152 GAGAGACACAGACAGTGGTCTCGGAAACGATGATGTTGGCTTCAGTGAGGAGTGGAGG 1211
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QY 955 CAAAAAGTCAAAATCGAATCGAATCTACAGCTTCAAGGACACAAAATCTCGGAGTAAGG 1014
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D 1212 CCCAAAGAGACAGTCACTCGGGGCTCATCGCTCA----- 1247
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
QY 1015 GTGAACGGGAGCTAGCTGTGAGAGACCAACTGTACAAGAGCGCAATTTTCACAGGCAC 1074
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
D 1248 -----CTCCGAGTCAAGAGCTGTGTCAGGAACCTTCTGGAGCATTTCAACAGTGAA 1303
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QY 1075 GAAGAGGAAGAGAGAGGTGTAACATTTGGTCTGGGCGACTTCAATTTCTCTCTGTTCTC 1134
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D 1304 GACCCGGAGGAAAGAGGAGTAAAACTTGGACTGGGAGATTCATTTTCTACAGTGTCTG 1363
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
QY 1135 CTGGCAAGGCTTCATCGTACT-----TTGACTGGAAACAGCACTATCGTTGTTATGTG 1188
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D 1364 GTTGGTAAAGCGCTCAGCAACCGCAGTGGAGACTGGAACACACACATAGCTGCTTCTNCIT 1423
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
QY 1189 GCCATTTCTTATCGTCTCTCTCACTCTTGTCTGCTGCGGCTCTTCAACAGGACTC 1248
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
D 1424 GCCACTATGTCGGCTGTGCTTANATTTACTCTCTGCTGCCATTTACAAGAAAGGTTNG 1483
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
QY 1249 CCGGCTCT-GCAATTTTCATTTCTCGGACTCATTTTTCATTTTACTTT 1291
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
D 1484 CCAGCCNCCCATCTCCATCACTTCGGGTTCGTTGTTCTNCIT 1527
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||
```

RESULT 43

US-09-127-480-3
Sequence 3, Application US/09127480
Patent No. 6194153
GENERAL INFORMATION:
APPLICANT: ST. GEORGE-HYSLOP, PETER H
APPLICANT: ROMWENS, JOHANNA M
APPLICANT: FRASER, PAUL E
TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
TO ALZHEIMER'S DISEASE
NUMBER OF SEQUENCES: 183
CORRESPONDENCE ADDRESS:
ADDRESSEE: TESTA, HURWITZ & THIBEAULT
STREET: High Street Tower - 125 High Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/127,480
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/592,541
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Pitcher, Edmund R.
TELECOMMUNICATION INFORMATION:

QY	176	ATCTATTTTGTCGGGTGTCACATGATGCATGCGTCTGGTTGTTTACGATGAACACGATTA	233
Db	438	TGCTCTTTTGCCCGTGACCCCTCGATGGTGGTGGTGGCCACCACATCAATCAGTGCA	497
QY	236	CGTTTTATAGTCAAAACAAATGGAAGGCATTTACTATACATCTTTTGTCCGGGAAACAG	295
Db	498	GCTTCATACCCGGAAGGACG---GTCAGCTAATCTACACCCCAATTCACAGAAGACACTG	554
QY	296	ACAGTATCCCTGGAAGAGGATGATGTCTACTTGGAAATGCTCTCGTCACTGTTGTCGGTGG	355
Db	555	AGACTGTAGGCCAAAGAGCCCTGCATCTGATCCTGAATGCGCCCATGATCATGACGTGCA	614
QY	356	TGTTCTGATGACAGTTCTGCTGATGTTTTCTATAAATACAAAGTTTTATAGCTTAATTC	415
Db	615	TTGTCAATTATGACCATCCCTCGTGGTCCCTGATATAATACAGGTGCTACAAAGGTCAATCC	674
QY	416	ATGGATGGCTTAATGTACAGAGTTTCTTCTCTTTTCTTACTACTCAATCTATGTGC	475
Db	675	ACGCTCGGCTTAATTAATTCATCTCTGTTGCTGCTCTTTTTCGTTCAATTAATCTAG	734
QY	476	AGAAAGTTCTGAAAAGTTTCGATGTCTCCAGCGCACTATGGTTTTGTTGGACTGCG	535
Db	735	GGAAAGTATTAAAGACCTACAATGTCCGCTGGACTAGCTTACAGTAGCACTCCTAATCT	794
QY	536	GTAACTATGGAGTTCTCGGAATGATGTATACATTGGAAAGTCCATTGCTGTGCAAC	595
Db	795	GCAATTTGGGTGTGTCGGGATGATGCCATCCACTGGAAGGCCCTTCGACTGCAGC	854
QY	596	AGTTCTACCTTAATACAATGTCTGCACPAATGGCTCTGGTCTTTATCAAGTACCTACCAG	655
Db	855	AGGCGTATCTCATTAATGATCAGTGCCTCATGGCCCTGATTTATCAAGTACCTCCCG	914
QY	656	AATGACATGTGTGGTTTGTGCTGTTTGTATCTCGGTTGGGATCTGGTTGCCGTGCTCA	715
Db	915	AATGACCCGATGCGCTCACTTGGCTGTGATTTCAGTATATGATTTGGTGGCTGTTTAT	974
QY	716	CACCAAAAGGACCAATTGAGATATTGGTGGAACTGCACAGGAGAGAAACGAGCCAATTT	775
Db	975	GTCCCAAGGCCACTTTCGTATGCTGGTTGAAAAGCTCAGGAAGAANAATGAGACTCTCT	1034
QY	776	TCCCGGCGCTGATTTATTCGTCTGGAGTCATCTATCCCTAGTTCTTTGTTACTCGAGTTG	835
Db	1035	TTCCAGCTCTTATCTATTCCTCAACAATGGTGT---GGTTGGTGAATATGCTGAAGAG	1091
QY	836	AAAACACGACAGACCCCGTGAACCGAGGTCGTGAGACTCAATATCTTACAGCTTTTC	895
Db	1092	ACCAGAAGCCCAAGGAGGTACCCCAAGAACCCCAAGTATAACACACAAGAGCGGAGA	1151
QY	896	CTGGAGGGCGAGTTGTTCACTCT-GAAACGCCAAAGCGCCAAAGTGAACGAATTCCT	954
Db	1152	GAGAGACACAGACAGTGGTTCTCGGAACGATGATGGTGGCTTCAGTTCAGGATGGGAGG	1211
QY	955	CAAAAAGTGCAATCGAATCGAATCTACAGCTTTCAACGACACAAAACTCTGGAGTAAGG	1014
Db	1212	CCCAAGAGACAGTCACTCTGGGGCTCATCGCTCCA-----	1247
QY	1015	GTGGAAGCGGAGCTAGTGTCTGAGACCAACTGTACAAAGCCCAATTTTACAGGCAC	1074
Db	1248	----CTCCCGAGTCAAGAGTGTCTCCAGAACTTTCTGGGAGCATCTTAACAGAGTGA	1303
QY	1075	GAAGAGAGAGAGAGGTGTAACACTTGGTCTGGGGACTTCAATTTTCTACTCTGTTCTC	1134
Db	1304	GACCCGAGGAAAGAGGAGTAAAACTTGGACTGGAGATTTCAATTTTCTACAGTGTCTCG	1363
QY	1135	CTGGCAAGGCTTCATCGTACT-----TTGACTGGAACACGACTATCGCTTGTATTGTG	1188
Db	1364	GTGGTAAGGCCCTACGCAACCGCAGTGGAGACTGGAACACAACCACTAGCCTGCTTKGTA	1423
QY	1189	GCCATCTTATCGGTCTCTGCTCACTCTGTGCTCTGCTCGCGCTCTTCAACAGCACTC	1248
Db	1424	GCCATCTGATCGGCTGTGCTTANNATTACTCTCTGCTGCCATTTTACAAAAGAGGCTG	1483

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1249 CCGGCTCT-GCAATTTCCATTTTCTCCGGACTCATTTTTACTT 1291
|||||  |||||  |||||  |||||  |||||  |||||  |||||
1484 CCAGCCNCCCATCTCCATCATCCCTTCGGGTTTCGTCTTCTNCTT 1527

RESULT 45
US-09-124-523-3
; Sequence 3, Application US/09124523
; Patent No. 6395960
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HVSLOP, PETER H
; APPLICANT: ROMMENS, JOHANNA M
; APPLICANT: PRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TO ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 183
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: High Street Tower - 125 High Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/124,523
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,541
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pitcher, Edmund R.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1929 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
US-09-124-523-3

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[illegible]

Db 948 CTGATATGGCTGCCATTTCTATTGGGATCTTATTGCTGTCTTTCGCCAAGAGGACCCC 1007
 QY 731 TGAGATATTGGTGGAAACTGACAGAGAGAAACGAGCCAAATTTCCGGCGCTGATTT 790
 Db 1008 TCCGCATTTGGTGGAAACGGCTCAGAGCGGAAATGAGCAAAATCTCCCGCTCTGATTT 1067
 QY 791 ATTCTGCTGGAGTCATCTA 809
 Db 1068 ATTCATCCACTGTGCGTTA 1086

RESULT 47

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US-08-592-541-165
; Sequence 165, Application US/08592541
; Patent No. 5986054
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMWENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 183
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: High Street Tower - 125 High Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,541
; FILING DATE:
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Pitcher, Edmund R.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 165:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1895 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
US-08-592-541-165

```

Query Match	15.1%	Score 226.2	DB 2	Length 1895
Best Local Similarity	59.4%	Pred. No. 6.3e-48		
Matches 403	Conservative 0	Mismatches 273	Indels 3	Gaps 1
131	TTGTGTGAAGAAGCGGAGCTGAATACGGAGACATCTCACGTTATTCATCTATTGTGCCGG	190		
411	TGGAGGAGAGCAGGCGCTGAATACGGGGCCAGCATGTGATCAAGTTATTCTGTCGCCG	470		
191	TGTCACATATGCATGGCTCTGGTTGTTTTACGATGAACACGATTACGTTTTATTAGTCAAA	250		
471	TCTCCCTTTGCATGCTGGTAGTGGTGCCATCACTCAACTCCATCAGCTTCTACA---ACA	527		
251	ACAATTGAAGGCGATTACTATCACATFCCCTTTTGTCGGGAAACACAGACGATATCGTTGAGA	310		
528	GCACGGATGCTCTATCTCTCTACACACCTTTCCATGAACAATGCCCGGACCTAGTGTTA	587		
311	AGGGATTGATGTCATCTTGGAAATGCTCTCGTCATGTTGTGGCGTGGTCTCTGATGACAG	370		
588	AGTTCTGGAGTGCCCTTGGCGAACTCCCTGATCCTCTGATGACGCTGGTGGTGGTATGACCT	647		

371	QY	TTCTGCTGATGTTGTTCTATAAATACAAGTTTTTATAAGCTTATTATCATGGATGGCTATTG	430
648	Db	TTTTGCTGATGTTGTTTGTACAAGAAGCGTTGCTATCGCATATTACAGCGTCGGCTGATTC	707
431	QY	TCAGCAGTTTCTCTCTCTCTTTCCCTATTCCATACAATCATGTCGAAGAAGTCTCGAANA	490
708	Db	TCTCCTCCTTCATGTTGTTGTCATTTTTTACGTACTTATATTGGAAGAGCTTCTTCGGG	767
491	QY	GTTTCGATGTGTCCTCCACGGCACTATGTTTGTCTTGGACTGGGTAACTATGGAGTTC	550
768	Db	CCATATAACATACCGATGGACTACCCCTACTGCACTACTGATTATGTGGAACATTTGGAGTGG	827
551	QY	TCGGGAATGATGTATACATTGGAAGGTCCATTGGCTGTGCAACAGTTCACCTATTATA	610
828	Db	TCGGAATGATGTCATCCCAATGGCAGGACCTCTCGGTTGCAGCAAGGATATCATTT	887
611	QY	CAATGTCTCACATAATGGCTCTGGTCTTTATCAAGTACCTACCAAGATGGACTGTGTGT	670
888	Db	TCGTGGCAGCCTTGATGGCCTTTGGTGTTCATTAATACCTGCTGAATGGACTGCTGGG	947
671	QY	TTTGTCTGTTGTTATCTCGGTTTGGGATCTGGTTGCCGTGCTCACACCAAAAGGACCAT	730
948	Db	CTGTATTGGCTGCCATTTCTATTGGGATCTTATTGCTGTCTTTTCGCCCAAGAGACCCC	1007
731	QY	TGAGATATTTTGGTGGAAACTGCACAGGAGAGAAACGAGCAATTTTCCCGGGCTGTATT	790
1008	Db	TCCGCATTTCTGCTGGAAACGGCTCAGGAGCGAAATGAGCAATCTTCCCGCTCTGATTT	1067
791	QY	ATTCTGCTGGAGTCATCTA	809
1068	Db	ATTCACTACTGCTGTTA	1086

RESULT 48

US-08-888-077A-20
Sequence 20, Application US/08888077A
Patent No. 6020143
GENERAL INFORMATION:
APPLICANT: ST. GEORGE-HYSLOP, PETER H
APPLICANT: ROMWENS, JOHANNA M
APPLICANT: FRASER, PAUL E
TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
TITLE OF INVENTION: TO ALZHEIMER'S DISEASE AND USES THEREFOR.
NUMBER OF SEQUENCES: 41
CORRESPONDENCE ADDRESS:
ADDRESSEE: LERNER, DAVID, LIITENBERG, KRUMHOLZ & MENTLIK
STREET: 600 SOUTH AVENUE WEST
CITY: WESTFIELD
STATE: NJ
COUNTRY: USA
ZIP: 07090-1497
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/888,077A
FILING DATE: 03-JUL-1997
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/592,541
FILING DATE: 26-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: PALISL, THOMAS M
REGISTRATION NUMBER: 36,629
REFERENCE/DOCKET NUMBER: SCHERING 3.0-017 CIP CIP CIP IV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 654-5000
TELEFAX: (908) 654-7866
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 1895 base pairs

Db 888 TCGGGGAGCCTTGATGGCCTTGTTGTTATTAATACCTGCCTGAATGGACTCCCTGGG 947
Qy 671 TTGTCGCTGTTGTTATCTCGGTTGGGATCTGGTTCGCTCACACCAAAAGGACCAT 730
Db 948 CTGTATTGGCTGCCATTTCTATTGGGATCTTATTGGTCTTTCGCGCAAGAGACCC 1007
Qy 731 TGAGATATTTGGTGGGAATGCGACAGGAGAAACAGGCAATTTCCCGCGCTGATTT 790
Db 1008 TCCGATTTCTGGTGGAAACGGCTCAGGAGCGAATGAGCAATCTTCCCGCTCTGATTT 1067
Qy 791 ATTCTCTGGAGTCATCTA 809
Db 1068 ATTATCCACTGTCGTTA 1086

RESULT 50

US-09-127-480-165
; Sequence 165, Application US/09127480
; Patent No. 6194153
; GENERAL INFORMATION:
; APPLICANT: ST. GEORGE-HYSLOP, PETER H
; APPLICANT: ROMMENS, JOHANNA M
; APPLICANT: FRASER, PAUL E
; TITLE OF INVENTION: GENETIC SEQUENCES AND PROTEINS RELATED
; TITLE OF INVENTION: TO ALZHEIMER'S DISEASE
; NUMBER OF SEQUENCES: 183
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TESTA, HURWITZ & THIBEAULT
; STREET: High Street Tower - 125 High Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/09/127,480
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,541
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pitcher, Edmund R.
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 248-7000
; TELEFAX: (617) 248-7100
; INFORMATION FOR SEQ ID NO: 165:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1895 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-127-480-165

Query Match 15.1%; Score 226.2; DB 4; Length 1895;
Best Local Similarity 59.4%; Pred. No. 6.3e-48;
Matches 403; Conservative 0; Mismatches 273; Indels 3; Gaps 1;

Qy 131 TTGTGGAGAGCGGAGCTGAATACGGAGCATCTACGCTTATTCATCTATTGTCCCGG 190
Db 411 TGGAGAGAGAGCGGCGCTGAATACGGGCGCCAGCATGTGATCAAGTTATTTCGCCCG 470
Qy 191 TGTCACTATGCAATGCTGTTGTTTACGATGAACACGATTACGTTTATAGTCAAA 250
Db 471 TCTCCCTTTGCATGCTGGTAGTGGTGTACCATCAACTCCATCAGCTTCTACA ---ACA 527
Qy 251 ACAATGGAGGACCTTACTATACATCTTTTGTCCGGGAACAGACAGTATCGTTGAGA 310

Db 528 GCACGGATGTCTATCTCTCTACACACCTTTCCCATGAACATCGCCGAGCCTAGTGTTA 587
Qy 311 AGGATTTGATGTCACCTTGGAAATGCTCTGCTCATCTGTGTGCTGGTGGTCTGTGATGACAG 370
Db 588 AGTTCTGGAGTGCCTTTGGCGAACTCCCTGATGATGAGCGTGTGTGATGATGACCT 647
Qy 371 TTCTGCTGATTTGTTTCTATATAAATACAAGTTTTTATAAGCTTATTTCATGGATGGCTATTG 430
Db 648 TTTTGCTGATTTGTTTGTACAGAAGCGTTCCTATCGCATCATTCACGGCTGGCTGATTC 707
Qy 431 TCAGCAGTTTCTTCTTTCTTCTATTCATCACTACAATCTATGTGCAAGAACTTCTGAAAA 490
Db 708 TCTCTCTCTCATGTTGTTGTTTATTTACGTACTTATATTGGAAGAGCTTCTTCGCG 767
Qy 491 GTTTCGATGTGTCGCCAGCGCACTATTTGTTTGGACTGGTAACTATGAGTTTC 550
Db 768 CCTATAACATACCGATGGACTACCTACTGCACCTACTGATATATGTGAACCTTTGGAGTGG 827
Qy 551 TCGGAATGATGTGTATATACATTGGAAAGTCCATTGCGTCTGCAACAGTTCTTACCTTATTA 610
Db 828 TCGGAATGATGTCCATCCATTGGCAGGACCTCTGCGTTGCACGAAGGATATCTCATTT 887
Qy 611 CAATGCTGCACATAAGCTCTGCTCTTTATCAAGTACCTACCAAGATGAGCTGTGAGT 670
Db 888 TCGTGGCAGCCTTGATGGCCTTGCTGTTTCAATTAATACCTGCTGCTGAATGGACTGCCCTGGG 947
Qy 671 TTGTGCTGTTGTTATCTCGGTTGGGATCTGGTTCGCTGCTCACACCAAGAGACCAT 730
Db 948 CTGTATTGGCTGCCATTTCTATTGGGATCTTATTGCTGCTTTCGCAAGAGAGACCCC 1007
Qy 731 TGAGATATTTGGTGGAAACTGCACAGGAGAGAAACGAGCAATTTTCCCGCGCTGATTT 790
Db 1008 TCCGCATTTGGTGGAAACGGCTCAGGAGCGAAATGAGCAATCTTCCCGCTGATTT 1067
Qy 791 ATTCTGCTGGAGTCATCTA 809
Db 1068 ATTATCCACTGTCGTTA 1086

Search completed: July 15, 2003, 06:23:52
Job time : 92 secs

